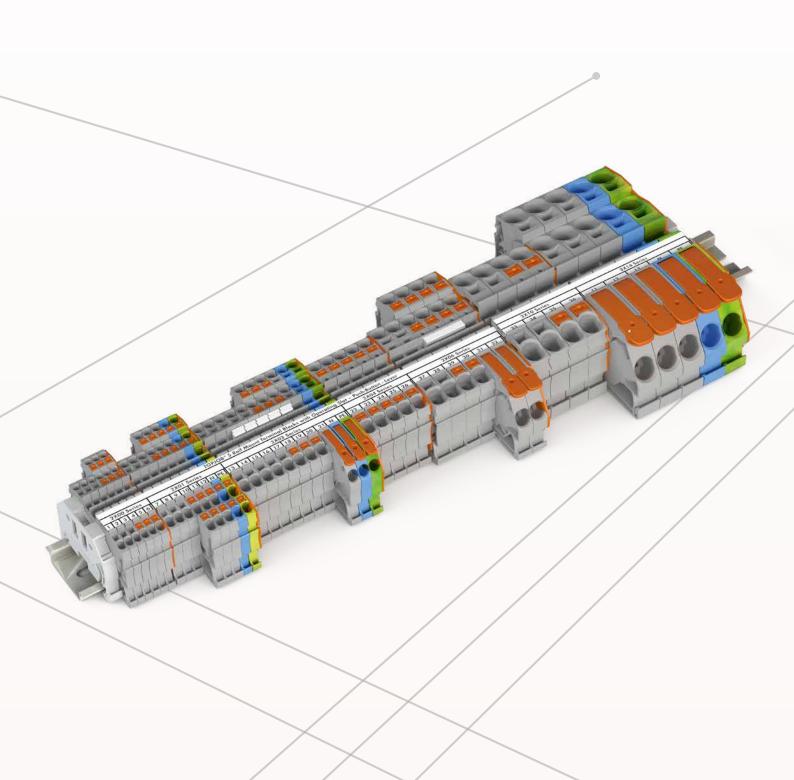
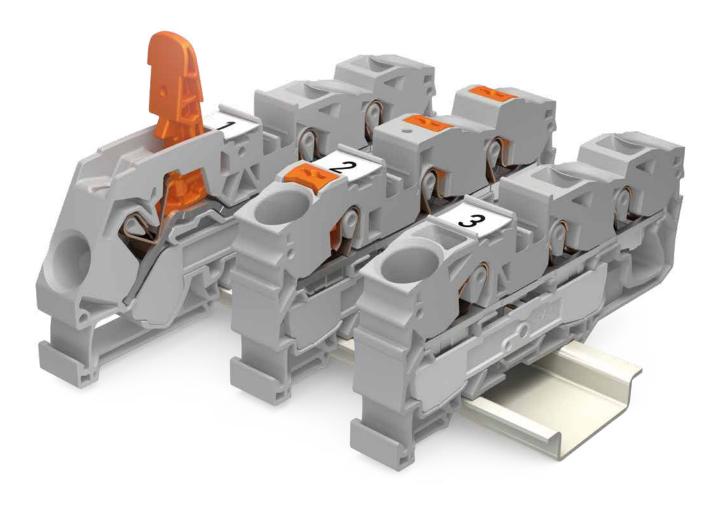


# TOPJOB® S Rail-Mount Terminal Block Systems

Edition 2020







# WAGO Rail-Mount Terminal Blocks TOPJOB® S

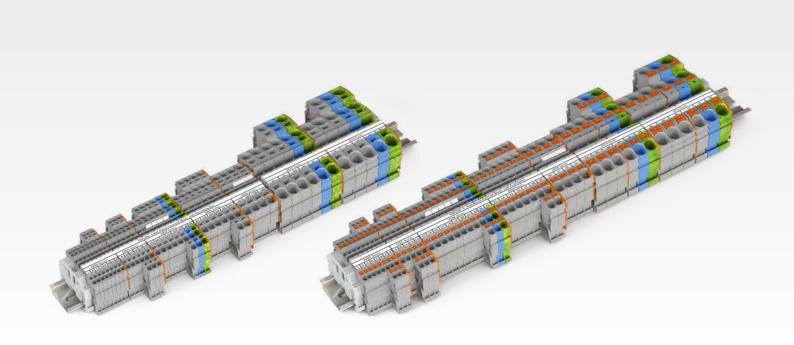
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			Page
	X-COM®S-SYSTEM, for Ex ec Applications Carrier Terminal Blocks Double-Deck Carrier Terminal Blocks 0.25 2.5 (4) mm² (22 12 AWG)	2022 Series	202 204
Pole	1-Conductor Female Plugs Pre-Assembled 1-Conductor Female Plugs 0.25 2.5 (4) mm <sup>2</sup> (22 12 AWG)	2022 Series	206 207
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For the last	Through Terminal Blocks and Ground Conductor Terminal Blocks Through Terminal Blocks; with Mounting Flanges 50 185 mm² (1/0 AWG 350 kcmil)	285 Series	240 241
013233220 0131 0131 0131	Marking Systems		248
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# 3 WAYS TO WIRE = 1 FAMILY



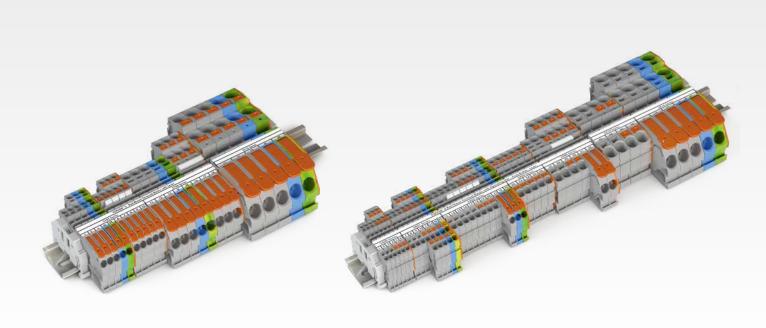
# **Operating Slot**

- The operating tool remains in the operating slot until termination is complete
- The clamping unit is marked by the inserted operating tool
- The conductor entry is held open for handsfree wiring

# **Push-Button**

- Use any common tool to open the clamping unit via the push-button
- Intuitive operation orange color highlights the push-button





#### Lever

- Simple and intuitive termination by hand
- Tool-free termination and removal of all conductor types
- The lever engages and keeps the clamping point open, freeing hands for wiring
- Lever position clearly indicates if the clamping point is open or closed
- Easy connection of difficult-to-bend conductors via side-entry conductor insertion

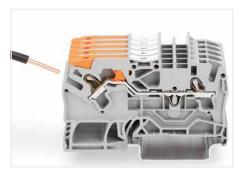
# One Range

- All three actuation variants can be combined with each other
- Push-in termination of solid, stranded and ferruled conductors for all variants
- Marking strips and WMB markers provide continuous marking possibilities
- One existing range of jumpers for all three variants
- Test options for all variants



# Rail-Mount Terminal Blocks TOPJOB® S; with Levers and Push-in CAGE CLAMP® 2102, 2106, 2110 and 2116 Series

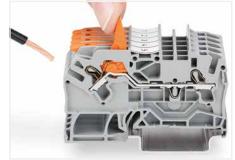
### **Description and Installation**



Push-in termination of solid conductors



Push-in termination of fine-stranded conductors with ferrules



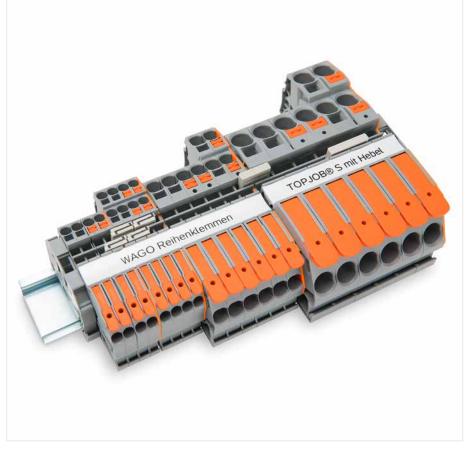
Pull the lever up until it stops, then connect the finestranded conductor.

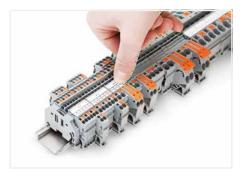


Push the lever back down - done!



Insert push-in type jumper bar and push down until it hits backstop. \\ \\





Snapping a marking strip into the marker slot.



Snapping a marking strip into the marker slot.



Testing with a 2 mm Ø test plug (max. 42 V).



Push-in CAGE CLAMP® terminates the following copper conductors: solid "s"



stranded "st"



fine-stranded "f-st", also with tinned single strands

# Rail-Mount Terminal Blocks TOPJOB® S; with Push-Buttons and Push-in CAGE CLAMP® 2200 to 2216 Series

# Description and Installation



Push-in termination of solid and ferruled conductors



Insert fine-stranded conductors via operating tool.



Removing all conductors via operating tool.

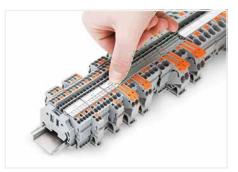




Insert push-in type jumper bar and push down until it hits backstop. \\\\



Commoning with step-down jumpers.



Snapping a marking strip into the marker slot.



Snapping a marking strip into the marker slot.



Testing with a 2 mm Ø test plug (max. 42 V).



fine-stranded, tip-bonded



fine-stranded, with ferrule (gastight crimped)



fine-stranded, with pin terminal (gastight crimped)



1 Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st";

"insulated ferrules, 12 mm"

via push-in termination.

suitable for Exiapplications. Please observe the application notes:

Approvals and corresponding ratings,

Staggered jumper: insulated: In 25 A: light gray

Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

visit www.wago.com

Accessories; 2102 Series

2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup>

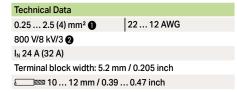
Depending on the conductor characteristic, a conduc-

tor with a smaller cross section can also be inserted

Terminal blocks with a blue insulated housing are

### Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and Push-in CAGE CLAMP®

2.5 (4) mm<sup>2</sup>; 2102 Series



2-conductor through terminal block; with lever and

2-conductor ground terminal block; with lever and

Item No.

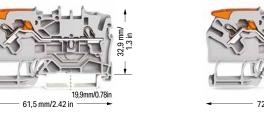
2102-1201

2102-1204 3

2102-1292

2102-1291

Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
800 V/8 kV/3 2	
I <sub>N</sub> 24 A (30 A)	
Terminal block width: 5.2 m	m / 0.205 inch
10 12 mm / 0 30	0.47 inch



50

50

100 (25)

100 (25)



Con in East
32.9 ma/ 1.3 ma/

A STORY	32,
	<b>↓</b>
30,6 mm/1.2 in ►	
<b>→</b> 72,2 mm/2.84 in <b>→</b>	

3-conductor through terminal block; with lever and Push-in CAGE CLAMP®				
Color Item No. Pack. Uni				
gray	2102-1301	50		

End and intermediate plate; 0.8 mm thick

orange

gray

gray	2102-1301	50		
blue	2102-1304 3	50		
3-conductor ground terminal block; with lever and Push-in CAGE CLAMP®				
green-yellow 2102-1307 50				
Accessories; item-specific				

2102-1392

2102-1391

100 (25)

100 (25)

otaggerea jumper, insulatea, in 20 A, light gray				
THE RESERVE	2-way	2002-472	25	
17779999	3-way	2002-473	25	
Attition	4-way	2002-474	25	
	5-way	2002-475	25	
	6-way	2002-476	25	
	7-way	2002-477	25	
	8-way	2002-478	25	
	9-way	2002-479	25	
	10-way	2002-480	25	
	11-way	2002-481	25	
	12-way	2002-482	25	
Customized staggered jumper; insulated; with contact				

lugs broken off at the factory and circuit printing; I<sub>N</sub> 25 A;

1-3 1-3-5

1-3-5-7

1-3-5-7-9

L-type test plug module; snaps together

white

5 ... 5.2 mm stretchable

10

2002-473/011-000

2002-475/011-000

2002-477/011-000

2002-479/011-000

25

25

25

Appropriate marking systems:

WMB/WMB Inline/Marking strips

#### Accessories; 2102 Series

Accessories; item-specific

End and intermediate plate; 0.8 mm thick

orange

gray

Push-in CAGE CLAMP®

Push-in CAGE CLAMP®

green-yellow

gray

blue

Appropriate marking systems: WMB/WMB Inline/Marking strips

I<sub>N</sub> 25 A, light gray

Insulation st	op; 5 pcs/strip;	0.25 0.5 mm	2
	light gray	2002-171	200 (25)
ann			
Insulation st	op; 5 pcs/strip;	0.75 1 mm²	
	dark gray	2002-172	200 (25)
00000			

			gg,
	1 to 3	2002-433	25
	1 to 4	2002-434	25
1 1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

Push-in type jumper bar, insulated; in 25 A; light gray				
	1 to 3	2002-433	25	
	1 to 4	2002-434	25	
1 1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Adjacent jumper for continuous commoning; insulated;				

	1-3-5-7-9-11	2002-481/011	-000	25
Modular conr slot	nector; snaps tog	gether; for jum	per conta	ct
la	gray	2002-511	100 (25)	

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks				
	yellow	2002-115	100 (25)	
THE				
Push-in type jumper bar; insulated; $I_{\rm N}$ 25 A; light gray				

	Z way	2002 700	20
]			
Adjacent ju I <sub>N</sub> 25 A; 1 to	•	nuous commonir	ng; insulated;

2002-400

1	gray	2002-611	100 (25)	
A.				
WMB Inline, plain; 1,500 WMB markers (5 mm)/reel;				

Push-in type ji	umper bar; insula	ated; I <sub>N</sub> 25 A; Ii	ght gray
	2-way	2002-402	25
TIV	3-way	2002-403	25
IIII	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25
Delta jumper: insulated: l., = l., terminal block: light gray			

	light gray	2002-423	25	
FI	red	2002-423/000-	005	25
13	blue	2002-423/000-	006	25
Adjacent jump I <sub>N</sub> 25 A, light g	oer for continuou ray	us commoning	; insulate	d;
	5-way	2002-415	25	

•				
Marking strip	o; plain; 11 mi	m wide; 50 m reel		
0	white	2009-110	1	

2009-115

Delta jumper; insulated; $I_N = I_N$ terminal block; lig			terminal block; light g	ıray
		1-2 3-4 5-6	2002-406/020-000	25

Push-in type cross-section	wire jumper; in: n; I <sub>N</sub> 18 A	sulated; 1.5 mr	m <sup>2</sup> conductor
	L = 60 mm	2009-412	100 (10)

2009-414

2009-416

100 (10)

100 (10)

L = 110 mm

L = 250 mm

5 5.2 mm stretchable		illai kei s/	
plain	793-5501	5	

Star point jumper; insulated; $I_N = I_N$ terminal block; light	
gray	

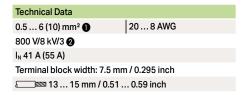
1-3-5



2002-405/011-000	25
2002-405/011-000	25

# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and Push-in CAGE CLAMP®

6 (10) mm<sup>2</sup>; 2106 Series

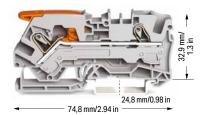


Technical Data 20 ... 8 AWG 0.5 ... 6 (10) mm<sup>2</sup> 800 V/8 kV/3 2 I<sub>N</sub> 41 A (55 A) Terminal block width: 7.5 mm / 0.295 inch □■ 13 ... 15 mm / 0.51 ... 0.59 inch

- Conductor range: 0.5 ... 10 mm<sup>2</sup> "s+f-st"; Push-in termination: 2.5 ... 10 mm<sup>2</sup> "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Exiapplications.

Please observe the application notes: Jumpers, from page 163 Testing accessories, from page 156 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com





Push-in CAGE CLAMP®					
Color	Item No.	Pack. Unit			
gray	2106-1201	25			
blue	2106-1204 3	25			

3-conductor through terminal block; with lever and Push-in CAGE CLAMP®			
Color	Item No.	Pack. U	
gray	2106-1301	25	
blue	2106-1304 3	25	
bluc	2100-1304	20	

PUSIT-III CAGE CLAIVIP	<u> </u>	
green-yellow	2106-1207	25
Accessories; item-spe	ecific	

2-conductor ground terminal block; with lever and

Push-in CAGE CLAMP®			
	green-yellow	2106-1307	25

3-conductor ground terminal block; with lever and

Accessories; item-specific					
End and inter	mediate plat	e; 1 mm thick			
1944 CO (1957)	orange	2106-1292	100 (25)		
	gray	2106-1291	100 (25)		

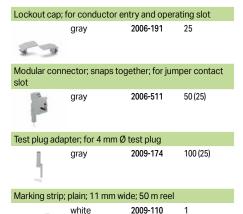
Accessories; item-specific				
End and inter				
101-11111-111-1	orange	2106-1392	100 (25)	
	gray	2106-1391	100 (25)	

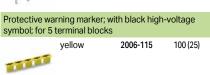
#### Accessories; 2106 Series

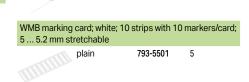
Appropriate marking systems: WMB/WMB Inline/Marking strips

THE	2-way	2006-402	25	
	3-way	2006-403	25	
Tree	4-way	2006-404	25	
	5-way	2006-405	25	
Push-in type j	umper bar; insul	ated; I <sub>N</sub> 41 A; li	ght gray	
	1 to 3	2006-433	25	
Y	1 to 4	2006-434	25	
	1 to 5	2006-435	25	
Star point jum gray	per; insulated; I <sub>N</sub>	ı = I <sub>N</sub> terminal b	lock; ligh	ıt
YLYLY	1-3-5	2006-405/011-	000	25

Push-in type jumper bar; insulated; I<sub>N</sub> 41 A; light gray



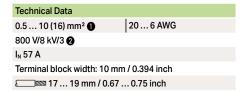




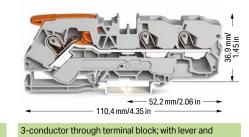


### Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and Push-in CAGE CLAMP®

10 (16) mm<sup>2</sup>; 2110 Series



**Technical Data** 20 ... 6 AWG 0.5 ... 10 (16) mm<sup>2</sup> 800 V/8 kV/3 2 Terminal block width: 10 mm / 0.394 inch □ 17 ... 19 mm / 0.67 ... 0.75 inch



Conductor range: 0.5 ... 16 mm<sup>2</sup> "s+f-st" Push-in termination: 4 ... 16 mm<sup>2</sup> "s" and 4 ... 10 mm<sup>2</sup> "insulated ferrules, 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree(see Full Line Catalog, Volume 1,
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.

See application notes in our Full Line Catalog, Volume 1. Jumpers, from page 163 Testing accessories, from page 156 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

# 2-conductor through terminal block; with lever and Push-in CAGE CLAMP $^{\!\scriptscriptstyle{(\!0\!)}}$

•30,8 mm/1.21 in►

Color	Item No.	Pack. Unit
gray	2110-1201	25
blue	2110-1204 3	25

2110-1292

2110-1291

2-conductor ground terminal block; with lever

and	
5	

100 (25)

100 (25)



Item No.

2110-1301

2110-1304 3

25 25

Push-in CAGE CLAMP®

gray

blue

Item-Specific	c Accessorie	S	
End and inter	mediate plat	e; 1 mm thick	
	orange	2110-1392	100 (25)
	gray	2110-1391	100 (25)

Finger guard; touch-proof cover protects unused con-

#### Accessories; 2110 Series

Item-Specific Accessories

End and intermediate plate; 1 mm thick

orange

gray

Push-in CAGE CLAMP®

green-yellow

Appropriate marking systems: WMB/WMB Inline/Marking strips

ductor entries

Push-in type	jumper bar; insul	lated; I <sub>N</sub> 57 A; I	ight gray	
	2-way	2010-402	25	
SUV	3-way	2010-403	25	
Err	4-way	2010-404	25	
	5-way	2010-405	25	
Push-in type	jumper bar; insul	lated; I <sub>N</sub> 57 A; I	ight gray	
	1 to 3	2010-433	25	
54	1 to 4	2010-434	25	
B.	1 to 5	2010-435	25	
Star point jun gray	nper; insulated; l <sub>i</sub>	<sub>N</sub> = I <sub>N</sub> terminal	block; ligh	nt
TYY	1-3-5	2010-405/011	-000	25
	rning marker; wi terminal blocks	th black high-	voltage	
	vellow	2010-115	100 (25)	

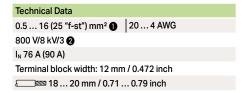




NOTE OF

# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and Push-in CAGE CLAMP®

16 (25 "f-st") mm2; 2102 Series



**Technical Data** 0.5 ... 16 (25 "f-st") mm<sup>2</sup> 1 20 ... 4 AWG 800 V/8 kV/3 2 I<sub>N</sub> 76 A (90 A) Terminal block width: 12 mm / 0.472 inch □ 18 ... 20 mm / 0.71 ... 0.79 inch

Conductor range: 0.5 ... 16 mm<sup>2</sup> "s+f-st", 25 mm<sup>2</sup> "f-st"; Push-in termination: 6 ... 16 mm<sup>2</sup> "s" and 6 ... 16 mm<sup>2</sup> "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Exiapplications.

Please observe the application notes: Jumpers, from page 163 Testing accessories, from page 157 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com







3-conductor through terminal block; with lever and

Item No.

2116-1301

2116-1304

20

20

Push-in CAGE CLAMP®

Push-in CAGE CLAMP®						
Color	Item No.	Pack. Unit				
0110 1001						

Color	Item No.	Pack. Unit
gray	2116-1201	20
blue	2116-1204 3	20

	blue
load	3-conduction Push-in C

gray



Push-in CAGE CLAMP® 15 mm high DIN-35 rails shall be used for a current higher than 76 A! 2116-1207 green-yellow Access

2-conductor ground terminal block; with lever and

sories	sories; item-specific				
d intermediate plate; 1 mm thick					
	orange	2116-1292	100 (25)		
-3	gray	2116-1291	100 (25)		



#### Accessories; 2116 Series

End an

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I <sub>N</sub> 76 A; light gray				
	2-way	2016-402	25	
SUV.	3-way	2016-403	25	
W.W.	4-way	2016-404	25	
	5-way	2016-405	25	
Push-in type jumper bar; insulated; I <sub>N</sub> 76 A; light gray				
_	1 to 3	2016-433	25	
TV	1 to 4	2016-434	25	
II.	1 to 5	2016-435	25	

W .	1 to 4	2016-434	25	
II.	1 to 5	2016-435	25	
Star point jumper; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block; light				
grav				



Protective was symbol; for 5 to	; with black high- ks	voltage

2016-115 100 (25)

Three-phase set; with orange end plate; with a lever and Push-in CAGE CLAMP® 15 mm high DIN-35 rails shall be used for a current load

higher than 76 A!

2116-1201/605-038



WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable 793-5501 5





### Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and **Push-Button**

2.5 (4) mm<sup>2</sup>; 2102 Series

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
800 V/8 kV/3 2		
I <sub>N</sub> 24 A (32 A)		
Terminal block width: 5.2 n	nm / 0.205 inch	
□ ■ 10 12 mm / 0.39	9 0.47 inch	

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 800 V/8 kV/3 2 I<sub>N</sub> 24 A (30 A) Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch





	01,01111112.12.11	
2-conductor through terminal block; with lever and push-button		
Color	Item No.	Pack. Unit

push-button		
Color	Item No.	Pack. Unit
gray	2102-5201	50
blue	2102-5204 3	50

	U gray	2 102-550 1	30	
	blue	2102-5304 3	50	
3-conductor ground terminal block; with lever and				
	push-button			

Item No.

Pack. Unit

3-conductor through terminal block; with lever and

2102-5207 green-yellow Accessories; item-specific End and intermediate plate; 0.8 mm thick 2102-1292 100 (25) orange

2102-1291

100 (25)

2-conductor ground terminal block; with lever and

green-yellow Accessories; item-specific

#### End and intermediate plate; 0.8 mm thick 2102-1392 100 (25) orange 2102-1391 100 (25) gray

#### Accessories; 2102 Series

gray

push-button

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation stop; 5 pcs/strip; 0.25 0.5 mm <sup>2</sup>				
	light gray	2002-171	200 (25)	
mm				
1 1 10 10 10		075 4 1		

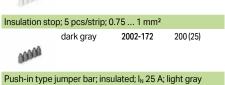
0.5 mm²	2	Star point ju	umper; insulate	ed; I <sub>N</sub> = I <sub>N</sub> terminal block; li	ght
02-171	200 (25)	gray			
	. ,	TOP	1-3-5	2002-405/011-000	25
		100			

25 A, light gray

2-way

push-button

Color



[]1				
Adjacent jur I <sub>N</sub> 25 A; 1 to	mper for continu 3	ious commonir	ng; insula	ated;
	light gray	2002-423	25	
F	red	2002-423/00	0-005	25
13	blue	2002-423/00	0-006	25
, ,	mper for continu	ious commonir	ng; insula	ated;
$I_N$ 25 A, light	gray			
	5-way	2002-415	25	

Adjacent jumper for continuous commoning; insulated;

2002-400

	2-way	2002-402	25	
TILL	3-way	2002-403	25	
IIII	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	
Push-in type j	umper bar; insu	lated; I <sub>N</sub> 25 A;	light gra	у
	1 to 3	2002-433	25	
T.	1 to 4	2002-434	25	
1 1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Delta jumper;	insulated; I <sub>N</sub> = I <sub>N</sub>	terminal bloc	ck; light g	ray
FIRE	1-23-45-6	2002-406/02	0-000	25

LL								
Staggered jur	Staggered jumper; insulated; I <sub>N</sub> 25 A; light gray							
	2-way	2002-472	25					
1000000000	3-way	2002-473	25					
Allin	4-way	2002-474	25					
	5-way	2002-475	25					
	6-way	2002-476	25					
	7-way	2002-477	25					
	8-way	2002-478	25					
	9-way	2002-479	25					
	10-way	2002-480	25					
	11-way	2002-481	25					
	12-way	2002-482	25					

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

Terminal blocks with a blue insulated housing are suitable for Ex i applications.

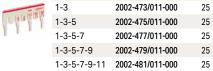
Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

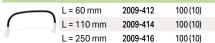
#### Accessories; 2102 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_{\text{\tiny N}}$  25 A; light gray



Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section: IN 18 A



Modular connector; snaps together; for jumper contact slot



2002-511 100 (25)

2002-549

100 (25)

Spacer module; snaps together; bridges commoned

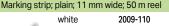


25

End plate; for modular connector; 1.5 mm thick 2002-541 100 (25) gray



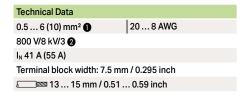
WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable 2009-115

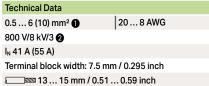




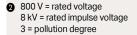
# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and Push-Button

6 (10) mm<sup>2</sup>; 2106 Series





Conductor range: 0.5 ... 10 mm² "s+f-st";
 Push-in termination: 2.5 ... 10 mm² "s" and
 2.5 ... 6 mm² "insulated ferrules; 12 mm"
 Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.



**3** Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Please observe the application notes: Jumpers, from page 163 Testing accessories, from page 156 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com





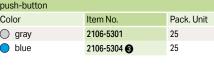
2-conductor through terminal block; with lever and push-button							
Color Item No. Pack. Unit							
gray 2106-5201 25							
<b>blue</b> 2106-5204 <b>3</b> 25							

2-conductor ground terminal block; with lever and

	push-l
. Unit	Color
	O gr
	bli

push-button

green-yellow



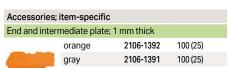
3-conductor through terminal block; with lever and

3-conductor ground terminal block; with lever and

2106-5307



2106-5207



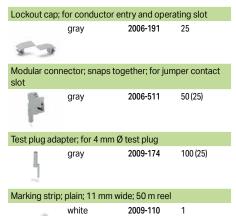
#### Accessories; 2106 Series

push-button

green-yellow

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; IN 4 I A; light gray							
-	2-way	2006-402	25				
JULY	3-way	2006-403	25				
TITY	4-way	2006-404	25				
	5-way	2006-405	25				
Push-in type	jumper bar; i	nsulated; I <sub>N</sub> 41 A;	light gra	ау			
	1 to 3	2006-433	25				
	1 to 4	2006-434	25				
1	1 to 5	2006-435	25				
Star point jui gray	mper; insulate	ed; I <sub>N</sub> = I <sub>N</sub> terminal	block; l	ight			
THY	1-3-5	2006-405/01	1-000	25			

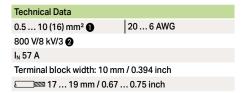




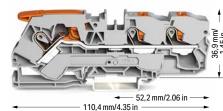


# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and **Push-Button**

10 (16) mm<sup>2</sup>; 2110 Series



**Technical Data** 20 ... 6 AWG 0.5 ... 10 (16) mm<sup>2</sup> 800 V/8 kV/3 2 Terminal block width: 10 mm / 0.394 inch □■ 17 ... 19 mm / 0.67 ... 0.75 inch



1 Conductor range: 0.5 ... 16 mm² "s+f-st" Push-in termination: 4 ... 16 mm<sup>2</sup> "s" and 4 ... 10 mm<sup>2</sup> "insulated ferrules, 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree(see Full Line Catalog, Volume 1,
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.

See application notes in our Full Line Catalog, Volume 1. Jumpers, from page 163 Testing accessories, from page 156 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

2-conductor through terminal block; with lever and push-button						
Color	Item No.	Pack. Unit				
gray	2110-5201	25				

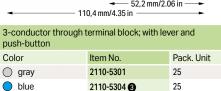
89 mm/3.5 in

<30.8 mm/1.21 in►

gray	2110-5201	25
blue	2110-5204 3	25
2-conductor ground to	erminal block; with leve	er and

Push-in CAGE CLAMP	®	si dilu
green-yellow	2110-5207	25

em-Specifi	em-Specific Accessories							
nd and inte	rmediate plate	; 1 mm thick						
	orange	2110-1292	100 (25)					
	gray	2110-1291	100 (25)					
	g.dy 2110 1201 100 (20)							



2110-5304 3

3-conductor ground terminal block; with lever and

Item-Specific Accessories						
End and interr	mediate plate	; 1 mm thick				
	orange	2110-1392	100 (25)			
	gray	2110-1391	100 (25)			

2110-5307

#### Accessories; 2110 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

blue

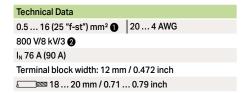
Push-in CAGE CLAMP® green-yellow

Duch in tune	iuman ar harrina	ulatadul E7 A	liabt ara		Cinaar augre	litariah negat	anuar protects	nuond non
Push-in type jumper bar; insulated; I <sub>N</sub> 57 A; light gray			у	ductor entri		cover protects u	nusea con-	
	2-way	2010-402	25		ductor entire			100 (05)
JUY.	3-way	2010-403	25			yellow	2010-100	100 (25)
Bar	4-way	2010-404	25					
	5-way	2010-405	25					
Push-in type	jumper bar; ins	ulated; I <sub>N</sub> 57 A;	light gray	у		inector; snaps	together; for jun	nper contact
	1 to 3	2010-433	25		slot			()
-6	1 to 4	2010-434	25			gray	2010-511	50 (25)
R. R.	1 to 5	2010-435	25		- Park			
Star point jun	nper; insulated;	I <sub>N</sub> = I <sub>N</sub> terminal	l block; lig	ght	Test plug ad	apter; for 4 mi	m Ø test plug	
TY	1-3-5	2010-405/01	1-000	25	1	gray	2009-174	100 (25)
					Marking stri	o; plain; 11 mr	n wide; 50 m reel	
					0	white	2009-110	1
					WMB markir 5 5.2 mm		10 strips with 10	markers/card;
						plain	793-5501	5



# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Lever and **Push-Button**

16 (25 "f-st") mm<sup>2</sup>; 2102 Series



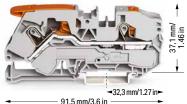
**Technical Data** 0.5 ... 16 (25 "f-st") mm<sup>2</sup> 1 20 ... 4 AWG 800 V/8 kV/3 2 I<sub>N</sub> 76 A (90 A) Terminal block width: 12 mm / 0.472 inch  $\blacksquare$  18 ... 20 mm / 0.71 ... 0.79 inch

Conductor range: 0.5 ... 16 mm² "s+f-st", 25 mm² "f-st"; Push-in termination: 6 ... 16 mm<sup>2</sup> "s" and 6 ... 16 mm<sup>2</sup> "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Exiapplications.

Please observe the application notes: Jumpers, from page 163 Testing accessories, from page 157 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com





37.1 mm/
→ 54,3 mm/2.14 in → 113,5 mm/4.47 in

2-conductor through terminal block; with lever and push-button				
Color	Item No.	Pack. Unit		
gray	2116-5201	20		
blue	2116-5204 3	20		

3-conductor through terminal block; with lever and push-button				
Color	Item No.	Pack. Unit		
gray	2116-5301	20		
blue	2116-5304 3	20		

2-conductor ground terminal block; with lever and push-button 15 mm high DIN-35 rails shall be used for a current load higher than 76 A! green-yellow 2116-5207

3-conductor ground terminal block; with lever and push-button 15 mm high DIN-35 rails shall be used for a current load higher than 76 A! green-yellow 2116-5307

Accessories; item-specific					
End and inter	mediate plate; 1	mm thick			
	orange	2116-1292	100 (25)		
	gray	2116-1291	100 (25)		

Accessories; item-specific				
End and interr	mediate plate; 1	mm thick		
	orange	2116-1392	100 (25)	
	gray	2116-1391	100 (25)	

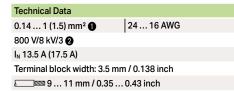
#### Accessories; 2116 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

	,	ърргорнате п	arking sy	stems. W	IIIII DIVIVIDI II IIII	ieriviai kirig strips	•	
Push-in type	jumper bar; insu	ılated; I <sub>N</sub> 76 A;	light gray	y		; touch-proof co	ver protects u	nused con-
	2-way	2016-402	25		ductor entrie	es .		
July	3-way	2016-403	25		Contract of the second	yellow	2016-100	100 (25)
H. H.	4-way	2016-404	25					
	5-way	2016-405	25		_			
Push-in type	jumper bar; insu	ılated; I <sub>N</sub> 76 A;	light gray	y		nector; snaps to	gether; for jun	nper contact
_	1 to 3	2016-433	25		slot		0040 544	EQ (QE)
TY	1 to 4	2016-434	25		1	gray	2016-511	50 (25)
III.	1 to 5	2016-435	25		1			
Star point jur	mper; insulated;	$I_N = I_N \text{ terminal}$	block; lig	ght	Toot plug ada	natorifor 1 mm (	7 to at alua	
gray					lest plug ada	apter; for 4 mm (		100 (05)
TYY	1-3-5	2016-405/01	1-000	25	4	gray	2009-174	100 (25)
					Marking strip	; plain; 11 mm w	vide; 50 m reel	
					0	white	2009-110	1
					WMB markin 5 5.2 mm s	g card; white; 10 stretchable	strips with 10	markers/card;
						plain	793-5501	5

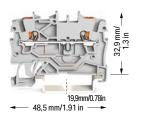


# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button 1 (1.5) mm²; 2200 Series



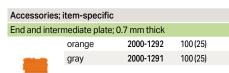
Technical Data	
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG
800 V/8 kV/3 2	
I <sub>N</sub> 13.5 A (17.5 A)	
Terminal block width: 3.5 r	nm / 0.138 inch
■ 9 11 mm / 0.35	0.43 inch

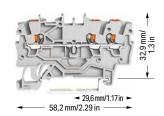
Technical Data	
0.14 1 (1.5) mm <sup>2</sup> 1	4 16 AWG
800 V/8 kV/3 2	
I <sub>N</sub> 13.5 A (17.5 A)	
Terminal block width: 3.5 mm /	0.138 inch
2 11 mm / 0.35 0.	43 inch



2-conductor through terminal block; with push-button					
Color	Item No.	Pack. Unit			
gray	2200-1201	100			
blue	2200-1204	100			

2-conductor ground terminal block; with push-button			
green-yellow	2200-1207	100	

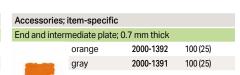


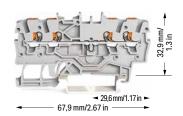


3-conductor through terminal block; with push-button				
Color	Item No.	Pack. Unit		
gray	2200-1301	100		
blue	2200-1304 🔇	100		

3-conductor ground terminal block; with push-button

green-yellow



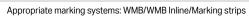


4-conductor through terminal block; with push-button				
Color	Item No.	Pack. Unit		
gray	2200-1401	100		
blue	2200-1404 3	100		

4-conductor ground terminal block; with push-button			
green-yellow <b>2200-1407</b> 100			
Accessories: item-s	pecific		

# Accessories; item-specific End and intermediate plate; 0.7 mm thick orange 2000-1492 100 (25) gray 2000-1491 100 (25)

Accessories; 2200 Series





Push-in type jumper bar; insulated; I <sub>N</sub> 14 A; light gray			
	1 to 3	2000-433	25
1	1 to 4	2000-434	25
1	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25

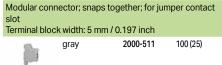
Delta jumper; insulated; $I_N = I_N$ terminal block; light gray			
	1-2 3-4 5-6	2000-406/020-000	25
11111			

Star point jumper; insulated;  $I_N$  =  $I_N$  terminal block; light gray

1-3-5 **2000-405/011-000** 25

Push-in type wire jumper; insulated; 0.75 mm <sup>2</sup> conductor	
cross-section; I <sub>N</sub> 9 A	

L = 60 mm	2009-402	100 (10)
L = 110 mm	2009-404	100 (10)
L = 250 mm	2009-406	100 (10)



1/			
Modular co slot	nnector; snap	s together; for jun	nper contact
No. of	gray	2000-510	100 (25)

Spacer mod terminal blo		ogether; bridges co	mmoned
IN.	gray	2000-549	100 (25)

-			
End plate; fo	or modular co	onnector; 1.5 mm t	thick
Ille	gray	2002-541	100 (25)

/	red	210-136	50 (1)
1			
Test plug; with 500 mm cable; 2.3 mm Ø; max. 42 V			

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

Test plug; v	with 500 mm ca	ble; 2.3 mm Ø; r	nax. 42 V
6	yellow	210-137	50 (1)
1			



WMB marking card; white; for 3.5 mm terminal block		markers/card;
plain	702-2501	5

plain 793-3501 5



- Conductor range: 0.14  $\dots$  1.5 mm² "s+f-st"; Push-in termination: 0.5  $\dots$  1.5 mm² "s" and 0.5  $\dots$  0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.

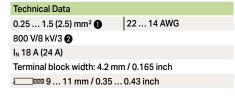
Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



# Through Terminal Block, Ground Conductor Terminal Block, Double-Potential Terminal Block TOPJOB® S; with Push-Button

1.5 (2.5) mm<sup>2</sup>; 2201 Series



Technical Data	
0.25 1.5 (2.5) mm <sup>2</sup>	22 14 AWG
800 V/8 kV/3 2	
I <sub>N</sub> 18 A (24 A)	
Terminal block width: 4.2 mr	n / 0.165 inch
9 11 mm / 0.35	0.43 inch

Technical Data	
0.25 1.5 (2.5) mm <sup>2</sup>	22 14 AWG
800 V/8 kV/3 2	
I <sub>N</sub> 18 A (24 A)	
Terminal block width: 4.2 mi	m / 0.165 inch
■ 9 11 mm / 0.35	. 0.43 inch



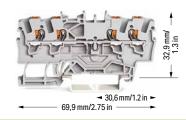
2-conductor through terminal block; with push-button				
Color Item No. Pack. Unit				
gray	2201-1201	100		
blue	2201-1204 3	100		
orange	2201-1202	100		



3-conductor through terminal block; with push-button			
Color	Item No.	Pack. Unit	
gray	2201-1301	100	
blue	2201-1304 3	100	
orange	2201-1302	100	

3-conductor ground terminal block; with push-button

100



4-conductor through terminal block; with push-button		
Color	Pack. Unit	
gray	2201-1401	100
blue	2201-1404 3	100
orange	2201-1402	100

2-conductor ground terminal block; with push-button			
green-yellow 2201-1207 100			
Accessories; item-specific			
Accessories; item-spe	ecific		

	orange	2002-1292	100 (25)	
State of the last	gray	2002-1291	100 (25)	
Separator; o	versized; 2 mi	m thick		
	orange	2002-1294	100 (25)	

2002-1293

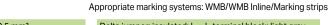
100 (25)

End and intermediate plate; 0.8 mm thick			
	orange	2002-1392	100 (25)
	gray	2002-1391	100 (25)
Separator; ov	ersized; 2 mm tł	nick	
	orange	2002-1394	100 (25)
_	gray	2002-1393	100 (25)
The second second			

4-conductor ground terminal block; with push-button				
green-yellow		2201-1407	100	
Accessories;	item-sp	ecific		
End and inter	mediate	plate; 0.8 mm thick		
	orange	2002-1492	100 (25)	
	gray	2002-1491	100 (25)	
Separator; oversized; 2 mm thick				
	orange	2002-1494	100 (25)	
_	gray	2002-1493	100 (25)	

Accessories; 2201 Series

gray

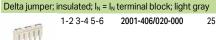


arav

green-yellow

Accessories; item-specific





Star point jumper; insulated;  $I_N = I_N$  terminal block; light

Test plug adapter; for 4 mm Ø test plug				
1	gray	2009-174	100 (25)	



	5 Way	2001 403	20
	10-way	2001-410	25
Push-in type j	umper bar; insul	ated; I <sub>N</sub> 18 A; Ii	ght gray
	1 to 3	2001-433	25
TV	1 to 4	2001-434	25
1 7	1 to 5	2001-435	25
	1 to 6	2001-436	25
	1 to 7	2001-437	25
	1 to 8	2001-438	25
	1 to 9	2001-439	25
	1 to 10	2001-440	25

Step-down jumper; insulated; commons 6/4 mm <sup>2</sup>			
(10/12 AWG) t	o 4/2.5/1.5 m	m² (12/14/16 A\	VG); I <sub>N</sub> 32 A
	light gray	2006-499	25

1-3-5 2001-405/011-000 25 Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A 2009-412 L = 60 mm 100 (10) L = 110 mm 2009-414 100 (10) L = 250 mm2009-416 100 (10) Modular connector; snaps together; for jumper contact slot 2001-511 100 (25) gray

Spacer mod terminal blo		gether; bridges c	ommoned
No	gray	2001-549	100 (25)
End plate: f	or modular oo	nnector: 1 5 mm	thick

End plate; for modular connector; 1.5 mm thick				
	gray	2002-541	100 (25)	



- Conductor range: 0.25 ... 2.5 mm² "s+f-st"; Push-in termination: 0.75 ... 2.5 mm² "s" and 0.75 ... 1.5 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Please observe the application notes: Jumpers, from page 163 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Step-down jumper (2006-499) commons 6/4 mm<sup>2</sup> (10/12 AWG) terminal blocks (2206/2204 Series) with 4/2.5/1.5 mm<sup>2</sup> (AWG 12/14/16) terminal blocks (2204/2202/2201 Series).

#### Accessories; 2201 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Marking strip; plain; 11 mm wide; 50 m reel

white

2009-110

WMB marking card; white; 10 strips with 10 markers/card;  $4\dots4.2\ \text{mm}$  stretchable

plain

793-4501

# WMB marking card; plain; 10 strips with 10 markers/card; 4 ... 4.2 mm stretchable

Name and	als.
Marine Street	
MON. PERSON	steller.
No.	واستطعاه

yellow	793-4501/000-002	5
red	793-4501/000-005	5
blue	793-4501/000-006	5
gray	793-4501/000-007	5
orange	793-4501/000-012	5
light green	793-4501/000-017	5
green	793-4501/000-023	5
violet	793-4501/000-024	5

#### Screwless end stop; for DIN-35 rail; 6 mm wide

gray 249-116 100 (25)

50 (25)



#### Screwless end stop; for DIN-35 rail; 10 mm wide

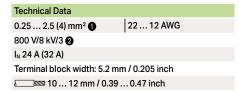
gray 249-117





# Through Terminal Block, Ground Conductor Terminal Block, Double-Potential Terminal Block TOPJOB® S; with Push-Button

2.5 (4) mm<sup>2</sup>; 2202 Series

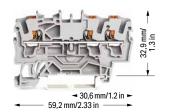


Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
800 V/8 kV/3 2	
I <sub>N</sub> 24 A (32 A)	
Terminal block width: 5.2	mm / 0.205 inch
<b>□</b> ■ 10 12 mm / 0.3	39 0.47 inch

Technical Data			
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG		
800 V/8 kV/3 2			
I <sub>N</sub> 24 A (32 A)			
Terminal block width: 5.2 mm / 0.205 inch			
<b>□</b> ■ 10 12 mm / 0.39	0.47 inch		







3-conductor through terminal block; with push-button				
Color Item No. Pack. Unit				
gray	2202-1301	100		
blue	2202-1304 3	100		

3-conductor ground terminal block; with push-button

green-yellow

I<sub>N</sub> 25 A; 1 to 3

light gray red

blue



4-conductor through terminal block; with push-button			
Color	Item No.	Pack. Unit	
gray	2202-1401	100	
blue	2202-1404 🔞	100	
red	2202-1403	100	
<ul><li>black</li></ul>	2202-1405	100	

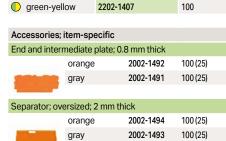
Accessories	; item-specific			
End and inte	rmediate plate; (	0.8 mm thick		
	orange	2002-1292	100 (25)	
Since Street	gray	2002-1291	100 (25)	
Separator; oversized; 2 mm thick				
	orange	2002-1294	100 (25)	

2002-1293 100 (25)

2-conductor ground terminal block; with push-button

2202-1207





4-conductor ground terminal block; with push-button

Accessories; 2202 Series

gray

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

green-yellow

Appropriate marking systems: WMB/WMB Inline/Marking strips



Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
	1 to 3	2002-433	25	
	1 to 4	2002-434	25	
1 1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Star point jumper; insulated; $I_N$ = $I_N$ terminal block; light gray				
TOP	1-3-5	2002-405/011	1-000	25
Adjacent jumper for continuous commoning; insulated; $I_{N}$ 25 A, light gray				
	2-way	2002-400	25	
Adjacent jumper for continuous commoning; insulated;				

2002-423

2002-423/000-005

2002-423/000-006

25

trips					
	Adjacent jump	er for continuou ray	ıs commoning	; insulated;	
	1111	5-way	2002-415	25	
		mper; insulated; o 4/2.5/1.5 mm²			
	YY	light gray	2006-499	25	
	Staggered jumper; insulated; I <sub>N</sub> 25 A; light gray				
	- F	2-way	2002-472	25	
	177777999	3-way	2002-473	25	
	Attende	4-way	2002-474	25	
		5-way	2002-475	25	
		6-way	2002-476	25	
		7-way	2002-477	25	
		8-way	2002-478	25	
		9-way	2002-479	25	
		10-way	2002-480	25	
		11-way	2002-481	25	
		12-way	2002-482	25	



- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Step-down jumper (2006-499) commons 6/4 mm² (10/12 AWG) terminal blocks (2206/2204 Series) with 4/2.5/1.5 mm<sup>2</sup> (AWG 12/14/16) terminal blocks (2204/2202/2201 Series).

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $\ensuremath{I_{N}}\xspace$  25 A; light gray



1-3	2002-473/011-000	25
1-3-5	2002-475/011-000	25
1-3-5-7	2002-477/011-000	25
1-3-5-7-9	2002-479/011-000	25
1-3-5-7-9-11	2002-481/011-000	25

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A



L = 60 mm	2009-412	100 (10)
L = 110 mm	2009-414	100 (10)
L = 250 mm	2009-416	100 (10)

Modular connector; snaps together; for jumper contact slot



gray

2002-511

100 (25)

Spacer module; snaps together; bridges commoned



gray

2002-549

2002-541

100 (25)

End plate; for modular connector; 1.5 mm thick



100 (25)

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable



2009-115

Marking strip; plain; 11 mm wide; 50 m reel

white

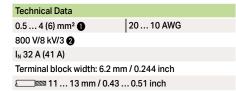
2009-110

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable



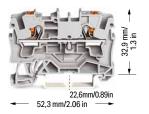
793-5501

### Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button 4 (6) mm<sup>2</sup>; 2204 Series



Technical Data	
0.5 4 (6) mm <sup>2</sup>	20 10 AWG
800 V/8 kV/3 2	
I <sub>N</sub> 32 A (41 A)	
Terminal block width: 6	.2 mm / 0.244 inch
<b>□</b> ■ 11 13 mm / 0	0.43 0.51 inch

Technical Data		
0.5 4 (6) mm <sup>2</sup>	20 10 AWG	
800 V/8 kV/3 <b>2</b>		
I <sub>N</sub> 32 A (41 A)		
Terminal block width: 6.2	2 mm / 0.244 inch	
<b>□</b> ■1113 mm/0	.43 0.51 inch	



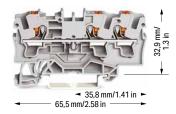
2-conductor through terminal block; with push-button			
Color Item No. Pack. Unit			
gray	2204-1201	50	
blue	2204-1204 🔞	50	

2-conductor ground terminal block; with push-button

green-ye	ellow 2	2204-1207	50	
Accessories	; item-spec	cific		
End and inte	rmediate pl	ate; 1 mm thick		
	orange	2004-1292	100 (25)	
State	gray	2004-1291	100 (25)	
Separator; oversized; 2 mm thick				
	orange	2004-1294	100 (25)	

2004-1293

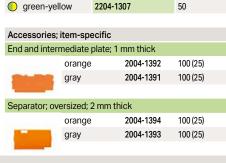
100 (25)

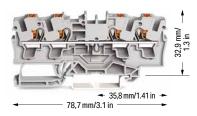


3-conductor through terminal block; with push-button			
Color Item No. Pack. Unit			
gray	2204-1301	50	
blue	2204-1304 🔞	50	

3-conductor ground terminal block; with push-button

2204-1307





4-conductor through terminal block; with push-button		
Color	Item No.	Pack. Unit
gray	2204-1401	50
blue	2204-1404 🔇	50

4-conductor ground terminal block; with push-button

green-yen	OW	2204-1407		อบ	
Accessories;	item-spe	ecific			
End and interr	nediate	plate; 1 mm	thick		
	orange	200	04-1492	100 (25)	
-	gray	200	04-1491	100 (25)	
Separator; ove	ersized; 2	2 mm thick			
	orange	200	04-1494	100 (25)	
_	gray	200	04-1493	100 (25)	

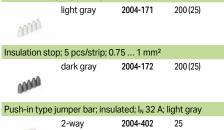
Accessories; 2204 Series

gray

Appropriate marking systems: WMB/WMB Inline/Marking Star point jumper; insulated;  $I_N = I_N$  terminal block; light

2004-405/011-000

1-3-5



Push-in type j	umper bar; insula	ated; I <sub>N</sub> 32 A; li	ght gray
	2-way	2004-402	25
TU	3-way	2004-403	25
IIII	4-way	2004-404	25
	5-way	2004-405	25
	6-way	2004-406	25
	7-way	2004-407	25
	8-way	2004-408	25
	9-way	2004-409	25
	10-way	2004-410	25
Push-in type j	umper bar; insula	ated; I <sub>N</sub> 32 A; li	ght gray
	1 to 3	2004-433	25
F	1 to 4	2004-434	25
1 1	1 to 5	2004-435	25
	1 to 6	2004-436	25
	1 to 7	2004-437	25
	1 to 8	2004-438	25
	1 to 9	2004-439	25

1 to 10

1 1			
Delta jumper;	insulated; $I_N = I_N$	terminal bloc	ck; light gray
HIM	1-2 3-4 5-6	2004-406/02	0-000
	mper; insulated to 4/2.5/1.5 mm		
YY	light gray	2006-499	25
Modular conr slot	ector; snaps to	gether; for jur	nper contact
4	gray	2004-511	100 (25)
Spacer modu terminal block	le; snaps togeth	er; bridges c	ommoned
Del	gray	2004-549	100 (25)

End plate; for modular connector; 1.5 mm thick

2004-541

100 (25)

strip	os				
	Test plug a	dapter; for 4 m	m Ø test plug		
25	1	gray	2009-174	100 (25)	
1	•	0.	cket diameter; co yellow; max. 42 \		X
	-	6	215-111	50	
	Testing tap	; for max. 2.5 n	nm²		
		gray	2009-182	100 (25)	

4		215-111	50
Testing tap; f	or max. 2.5 mm	2	
	gray	2009-182	100 (25)
Marking strip	o; plain; 11 mm v	vide; 50 m reel	
0.	white	2009-110	1
WMB markin	g card; white; 10 stretchable	0 strips with 10	) markers/card;
MIIIIII	plain	793-5501	5
Group marke	er carrier; snap-	on type for jun	nper slot; 5 mm
Ì	gray	2009-191	50 (25)

2004-440

- Conductor range: 0.5 ... 6 mm² "s+f-st";
   Push-in termination: 1.5 ... 6 mm² "s" and 1.5 ... 4 mm² "insulated ferrules; 12 mm"
   Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Please observe the application notes: Jumpers, from page 163 Testing accessories, from page 156 Marking, from page 246

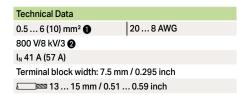
Approvals and corresponding ratings, visit www.wago.com



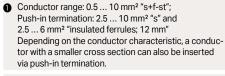
Step-down jumper (2006-499) commons 6/4 mm² (10/12 AWG) terminal blocks (2206/2204 Series) with 4/2.5/1.5 mm² (AWG 12/14/16) terminal blocks (2204/2202/2201 Series).

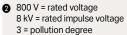


### Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button 6 (10) mm<sup>2</sup>; 2206 Series



Technical Data	
0.5 6 (10) mm <sup>2</sup>	20 8 AWG
800 V/8 kV/3 2	
I <sub>N</sub> 41 A (57 A)	
Terminal block width: 7.5	mm / 0.295 inch
13 15 mm / 0.5	1 0 59 inch





Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Please observe the application notes: Jumpers, from page 163 Testing accessories, from page 156 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



2-conductor through terminal block; with push-button			
Color	Item No.	Pack. Unit	
gray	2206-1201	50	
blue	2206-1204 3	50	

Color	Item No.	Pack. Unit
gray	2206-1201	50
blue	2206-1204 3	50

green-yellow	2206-1207	50	
Accessories; item-specific			
End and intermediate plate: 1 mm thick			

2-conductor ground terminal block; with push-button

End and intern	mediate plate; 1	mm thick	
	orange	2006-1292	100 (25)
	gray	2006-1291	100 (25)

Separator;	oversizea; 2 mn	n tnick		
	orange	2006-1294	100 (25)	
	gray	2006-1293	100 (25)	



3-conductor through terminal block; with push-button			
Color	Item No.	Pack. Unit	
gray	2206-1301	25	
blue	2206-1304 3	25	

3-conductor ground terminal block; with push-button			
green-yellow	2206-1307	25	

Accessories;	item-specific			
End and intermediate plate; 1 mm thick				
	orange	2006-1392	100 (25)	
	gray	2006-1391	100 (25)	
4				
Separator; oversized; 2 mm thick				
	orange	2006-1394	100 (25)	



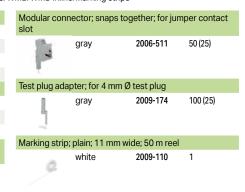


Step-down jumper (2006-499) commons 6/4 mm<sup>2</sup> (10/12 AWG) terminal blocks (2206/2204 Series) with 4/2.5/1.5 mm² (AWG 12/14/16) terminal blocks (2204/2202/2201 Series).

Accessories; 2206 Series Appropriate marking systems: WMB/WMB Inline/Marking strips

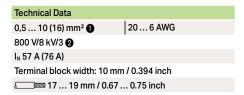
Push-in type	e jumper bar; i	nsulated; $I_N$ 41 A;	light gra	ıy
	2-way	2006-402	25	
JULY	3-way	2006-403	25	
Tir	4-way	2006-404	25	
	5-way	2006-405	25	
Push-in type	e jumper bar; i	nsulated; I <sub>N</sub> 41 A;	light gra	ıy
	1 to 3	2006-433	25	
TV	1 to 4	2006-434	25	
1 ,	1 to 5	2006-435	25	
Star point ju gray	mper; insulate	ed; $I_N = I_N$ terminal	block; li	ght
YLYLY	1-3-5	2006-405/01	1-000	25

Step-down jumper; insulated; commons 6/4 mm <sup>2</sup> (10/12 AWG) to 4/2.5/1.5 mm <sup>2</sup> (12/14/16 AWG); I <sub>N</sub> 32 A			
(10.110.110.110.110.110.110.110.110.110.	light gray	2006-499	25
T	3 - 3 - 7		
YY			



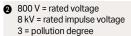


### Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button 10 (16) mm<sup>2</sup>; 2210 Series



Technical Data		
0,5 10 (16) mm <sup>2</sup>	20 6 AWG	
800 V/8 kV/3 2		
I <sub>N</sub> 57 A (76 A)		
Terminal block width: 10	mm / 0.394 inch	
17 19 mm / 0.€	67 0.75 inch	

Conductor range: 0.5 ... 16 mm2 "s+f-st"; Push-in termination: 4 ... 16 mm<sup>2</sup> "s" and 4 ... 10 mm<sup>2</sup> "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.



Terminal blocks with a blue insulated housing are suitable for Exiapplications.

Please observe the application notes: Jumpers, from page 163 Testing accessories, from page 156 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



2-conductor through terminal block; with push-button			
Color	Item No.	Pack. Unit	
gray	2210-1201	25	
blue	2210-1204 🔞	25	

gray	2210 1201	20
blue	2210-1204 3	25
2-conductor groun	nd terminal block; with	n push-button





2210-1304 3

25

3-conductor ground to	erminal block; with pus	sh-button
green-yellow	2210-1307	25

nm thick	
2010-1292	100 (25)
2010-1291	100 (25)



Accessories; 2210 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

blue

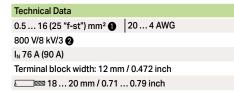
Push-in type	jumper bar, inc	sulated, in or A	ilgilt gir	ау
	2-way	2010-402	25	
JULY	3-way	2010-403	25	
Err	4-way	2010-404	25	
	5-way	2010-405	25	
Push-in type	jumper bar; ins	sulated; I <sub>N</sub> 57 A	light gr	ау
	1 to 3	2010-433	25	
5-8	1 to 4	2010-434	25	
B.	1 to 5	2010-435	25	
Star point jur gray	nper; insulated	$I; I_N = I_N \text{ termina}$	l block; l	ight
	mper; insulated	l; I <sub>N</sub> = I <sub>N</sub> termina 2010-405/01		ight 25
	_			,

Finger guard; touch-proof cover protects unused conductor entries				
0	yellow	2010-100	100 (25)	
Modular cor slot	nector; snap	s together; for jur	nper contact	
	gray	2010-511	50 (25)	
Test plug ad	apter; for 4 m	m Ø test plug		
1	gray	2009-174	100 (25)	
Marking stri	o; plain; 11 m	m wide; 50 m reel		
0	white	2009-110	1	





# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button 16 (25 "f-st") mm2; 2216 Series



**Technical Data** 0.5 ... 16 (25 "f-st") mm<sup>2</sup> 1 20 ... 4 AWG 800 V/8 kV/3 2 I<sub>N</sub> 76 A (90 A) Terminal block width: 12 mm / 0.472 inch □ 18 ... 20 mm / 0.71 ... 0.79 inch



outton	1
k. Unit	(
	(
	(

54,3 mm/2.14 in 91,8 mm/3.61 in

3-conductor through t	erminal block; with pu	sh-button
Color	Item No.	Pack. Unit
gray	2216-1301	20
blue	2216-1304 3	20

2-conductor ground terminal block; with push-button 15 mm high DIN-35 rails shall be used for a current load higher than 76 A!

2216-1204

2-conductor through terminal block; with push-b Item No. 2216-1201

green-yellow 2216-1207

32,3 mm/1.27 in ►

20

20

3-conductor ground terminal block; with push-button 15 mm high DIN-35 rails shall be used for a current load higher than 76 A!

1	green-yellow	2210-1307	20

#### Accessories; item-specific End and intermediate plate; 1 mm thick 2016-1292 100 (25) orange 2016-1291 100 (25) gray

Push-in type jumper bar; insulated;  $I_N$  76 A; light gray



Finger guard; touch-proof cover protects unused con-

#### Accessories; 2216 Series

gray blue

Appropriate marking systems: WMB/WMB Inline/Marking strips

ductor entries

	2-way	2016-402	25
JUV	3-way	2016-403	25
H. H.	4-way	2016-404	25
	5-way	2016-405	25
Push-in type j	umper bar; insul	ated; I <sub>N</sub> 76 A; li	ight gray
	1 to 3	2016-433	25
TY	1 to 4	2016-434	25
11	1 to 5	2016-435	25
Star point jum gray	nper; insulated; l <sub>1</sub>	<sub>N</sub> = I <sub>N</sub> terminal b	olock; light
	1-3-5	2016-405/011-	<b>-000</b> 25
XXX			
AAR			

0	yellow	2016-100	100 (25)
Modular con slot	nector; snaps to	gether; for jum	per contact
	gray	2016-511	50 (25)
Test plug ada	apter; for 4 mm (	ð test plug	
1	gray	2009-174	100 (25)
Marking strip	; plain; 11 mm w	ide; 50 m reel	
0.	white	2009-110	1
WMB markin 5 5.2 mm s	g card; white; 10 stretchable	strips with 10	markers/card;
	plain	793-5501	5

Conductor range: 0.5 ... 16 mm<sup>2</sup> "s+f-st", 25 mm<sup>2</sup> "f-st"; Push-in termination: 6 ... 16 mm<sup>2</sup> "s" and 6 ... 16 mm<sup>2</sup> "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination. 2 800 V = rated voltage

8 kV = rated impulse voltage 3 = pollution degree

Terminal blocks with a blue insulated housing are suitable for Ex i applications.

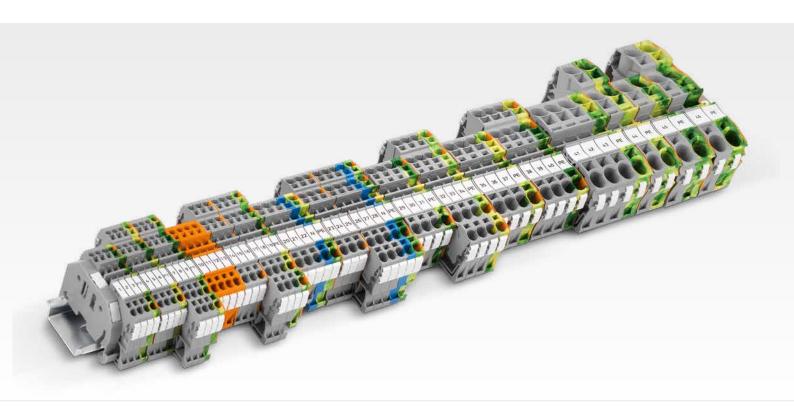
Please observe the application notes: Jumpers, from page 163 Testing accessories, from page 157 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



# THROUGH TERMINAL BLOCKS

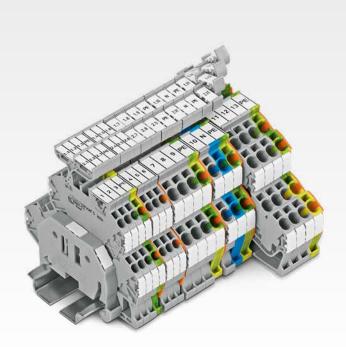
# Single-Deck – Double-Deck – Triple-Deck



# Single-Deck Terminal Blocks

- Terminate conductors ranging from 0.14 to 25 mm² (24–4 AWG)
- Provide simple, push-in termination of solid, stranded and ferruled conductors
- Feature centered dual jumper slots that accommodate WAGO's extensive line of jumpers
- Benefit from clear and continuous labeling via a centered marking slot
- Cost-effective use of both marking strips and WMB markers on all Through Terminal Blocks TOPJOB® S







### **Double-Deck Terminal Blocks**

- Save space
- Just 3.5 mm wide to maximize space
- Rated for 800 V nominal voltage
- Pivoting marker carrier clearly identifies each clamping unit – even in the tightest areas
- Both decks can be commoned after wiring via pluggable vertical jumper

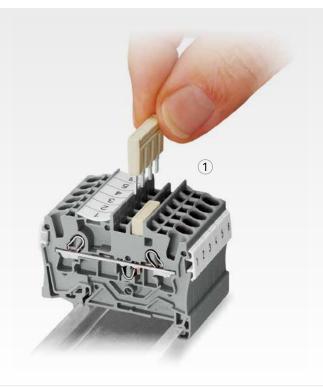
# **Triple-Deck Terminal Blocks**

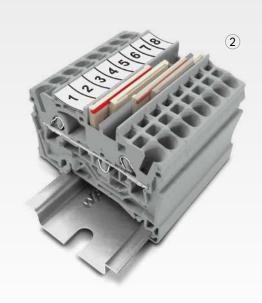
- Three different potentials in a width of just 5.2 mm (0.205 inch)
- Pivoting marker carrier clearly identifies each connection point in space-restricted conditions
- Both decks can be commoned after wiring via pluggable vertical jumper
- Wire an electric motor with four potentials, including a ground conductor, with just a 5.2 mm rail-mount terminal block for electric motor wiring



# RANGE OF JUMPERS

# For Every Commoning Task





# 1) Push-In Type Jumper Bars

- Simply insert push-in type jumper bars into one of the center jumper slots.
- Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper.
- Place the operating tool in the center of jumpers for up to five contacts, or alternately on both sides for jumpers with more than five contacts.



### ② Staggered Jumpers

- Staggered jumpers allow 2002 and 2003 Series terminal blocks to accommodate two potentials in a single jumper slot alongside each other.
- Dual jumper slots allow four different potentials to be accommodated along side each other.
- Make sure that only one contact lug is inserted per contact.
- Insert the staggered jumpers so that the red lines of both jumpers are facing each other.



Standard jumpers offered by WAGO



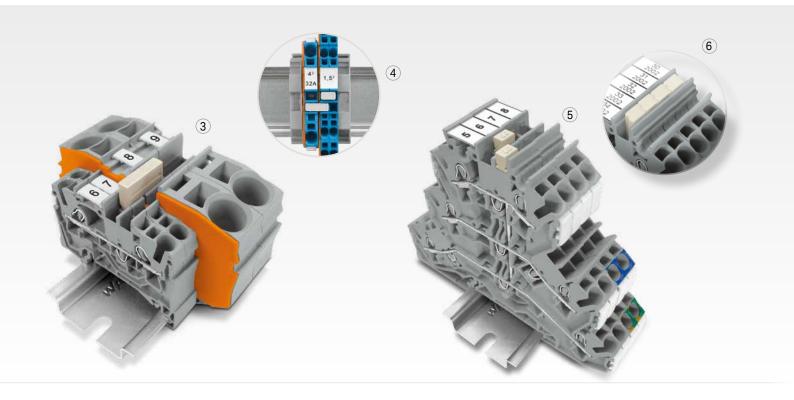
Custom push-in type jumper bars are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).



Custom staggered jumpers are created by breaking off jumper contacts.

# Note Please note that: The total current of the outgoing circuits must not exceed the nominal current of the step-down jumper/push-in type jumper bar.





### ③ Commoning with Step-Down Jumpers

- 2016-499 Step-Down Jumpers common 16/10 mm<sup>2</sup> (16/8 AWG) terminal blocks (2016/2010 Series) with 10/6/4/2.5 mm<sup>2</sup> (8/10/12/14 AWG) terminal blocks (2010/2006/2004/2002 Series).
- 2006-499 Step-Down Jumpers common 6/4 mm<sup>2</sup> (10/12 AWG) terminal blocks (2006/2004 Series) with 4/2.5/1.5 mm<sup>2</sup> (AWG 12/14/16) terminal blocks (2004/2002/2001 Series).
- An end plate must be inserted between the terminal blocks to be commoned.

# 4 Commoning with Push-In Type Jumper Bars

- Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm²/6 AWG (2016 Series) and 10 mm²/8 AWG (2010 Series), e.g., from 16 mm²/6 AWG (2016 Series) to 6 mm²/10 AWG (2006 Series) or from 10 mm²/8 AWG (2010 Series) to 4 mm²/12 AWG (2004 Series).
- One cross-section size can be jumpered over when commoning 6 mm²/4 mm²/2.5 mm² (10/12/14 AWG) terminal blocks (2006/2004/2002 Series): from 6 mm²/10 AWG (2006 Series) to 4 mm²/12 AWG (2004 Series)
- Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm²/6 AWG (2016 Series) to 6 mm²/10 AWG (2006 Series) or from 6 mm²/10 AWG (2006 Series) to 2.5 mm²/14 AWG (2002 Series).

# **5 Vertical Jumpers**

 Created for double- and triple-deck Terminal Blocks TOPJOB® S, the vertical jumpers can common two or three levels.

# 6 Adjacent Jumpers for Continuous Commoning

- Any number of 2002 Series Terminal Blocks can be commoned without a push-in type jumper bar (2- to 10-way).
- These jumpers are ideal for electric motor wiring or 4-conductor, double-deck rail-mount terminal blocks that only have one jumper slot per level. Connection is made by inserting each contact of two adjacent jumpers in a single slot.

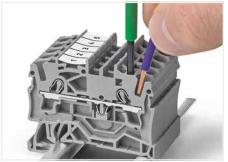


# Rail-Mount Terminal Blocks TOPJOB® S; with Push-in CAGE CLAMP® 2000 to 2016 Series

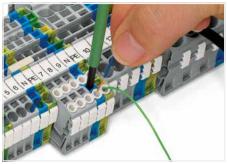
### **Description and Installation**



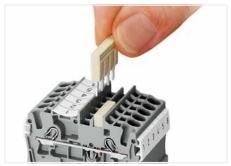
Push-in termination of solid and ferruled conductors



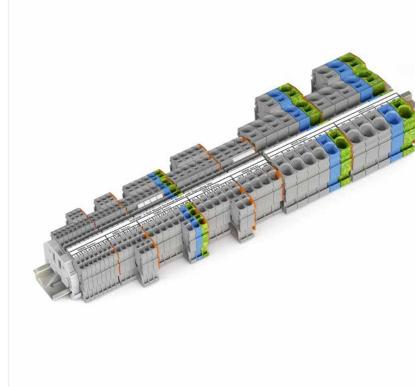
Insert fine-stranded conductors via operating tool.



 $Conductor\ termination-insulation\ stop$ 



Insert push-in type jumper bar and push down until it hits backstop.

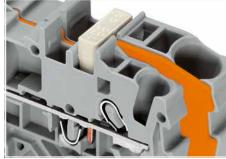




Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).



Push-in type jumper bar: Marking with a felt-tip pen.



 $Commoning\ with\ step-down\ jumpers.$ 



This star point jumper was specifically developed to create a "star point" and is used on motor terminal boards equipped with Rail-Mount Terminal Blocks TOPJOB® S.



Push-in CAGE CLAMP® terminates the following copper conductors: solid "s"



stranded "st"



fine-stranded "f-st", also with tinned single strands



Rail-mount terminal block assembly for electric motor wiring



L-type test plug modules fitted in a triple-deck terminal block  $% \left( 1\right) =\left( 1\right) \left( 1\right) \left($ 



Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm $^2$  (12 AWG) – compatible with 2000 to 2016 Series

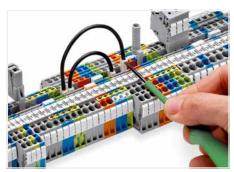




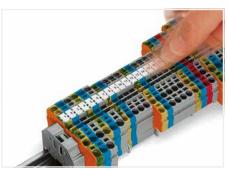
Test plug adapter (2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series



Group marker carrier (2009-163) for marking strips (2009-110)



Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.



Snapping a marking strip into the marker slot.



Snapping a marking strip into the marker slot.



fine-stranded, tip-bonded



fine-stranded, with ferrule (gastight crimped)



fine-stranded, with pin terminal (gastight crimped)



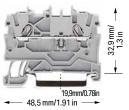
# Through Terminal Block, Ground Conductor Terminal Block, Double-Potential Terminal Block TOPJOB® S

1 (1.5) mm<sup>2</sup>; 2000 Series

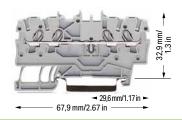
Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
	600 V, 10 A <b>9</b>	
I <sub>N</sub> 13.5 A (17.5 A)	600 V, 10 A®	
Terminal block width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
800 V/8 kV/3 <b>2</b>	600 V, 10 A <b>RA</b>	
I <sub>N</sub> 13.5 A (17.5 A)	600 V, 10 A®	
Terminal block width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
800 V/8 kV/3 2	600 V, 10 A <b>9</b>	
I <sub>N</sub> 13.5 A (17.5 A)	600 V, 10 A@	
Terminal block width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		







2-conductor through terminal block				
Color	Item No.	Pack. Unit		
○ gray ⓑ	2000-1201 4	100		
oblue 🗟	2000-1204 3 4	100		
orange 🗟	2000-1202 4	100		
ered 🚱	2000-1203 4	100		
● black ⓑ	2000-1205 4	100		
yellow 🛭	2000-1206 4	100		

o conductor among n to mindra process				
Color	Item No.	Pack. Unit		
○ gray ⓑ	2000-1301 4	100		
oblue 🗟	2000-1304 3 4	100		
orange 😡	2000-1302 4	100		
red    red    □	2000-1303 4	100		
● black ⓑ	2000-1305 4	100		
yellow ©	2000-1306 4	100		
3-conductor ground terminal block				

4-conductor through terminal block			
Color	Item No.	Pack. Unit	
○ gray ⓑ	2000-1401 4	100	
oblue 🗟	2000-1404 3 4	100	
orange 😡	2000-1402 4	100	
ered 😡	2000-1403 4	100	
● black ⓑ	2000-1405 4	100	
o yellow 🗈	2000-1406 🚯	100	

green-yell	ow 🛭 2000-	1207 4	100			
Accessories; i	tem-specific					
End and intern	nediate plate;	0.7 mm thick				
	orange	2000-1292	100 (25)			
State .	gray	2000-1291	100 (25)			
Ex e/Ex i separator; orange; 3 mm thick						
	90 mm	209-190	50 (25)			
	120 mm	209-191	50 (25)			

Accessories;	item-specific			
End and interr	mediate plate; 0.	7 mm thick		
	orange	2000-1392	100 (25)	
	gray	2000-1391	100 (25)	
Ex e/Ex i separator; orange; 3 mm thick				
	120 mm	209-191	50 (25)	

100

Accessories; item-specific				
End and inter	mediate plate;	0.7 mm thick		
	orange	2000-1492	100 (25)	
	gray	2000-1491	100 (25)	
Ex e/Ex i separator; orange; 3 mm thick				
	120 mm	209-191	50 (25)	
N/S				

4-conductor ground terminal block

Accessories; 2000 Series

2-conductor ground terminal block

Appropriate marking systems: WMB/WMB Inline/Marking strips Delta jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light gray

1-2 3-4 5-6 2000-406/020-000

Push-in type jumper bar; insulated; I <sub>N</sub> 14 A; light gray			
	2-way	2000-402	25
III	3-way	2000-403	25
Lili	4-way	2000-404	25
	5-way	2000-405	25
	6-way	2000-406	25
	7-way	2000-407	25
	8-way	2000-408	25
	9-way	2000-409	25
	10-way	2000-410	25
Push-in type	jumper bar; insu	ılated; I <sub>N</sub> 14 A;	light gray
T	1 to 3	2000-433	25
	1 to 4	2000-434	25
	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25
Protective warning marker; with black high-voltage symbol; for 5 terminal blocks			
	yellow	2000-115	100 (25)
THEFT			

FIFE				
Star point jungray	nper; insulated; l	<sub>N</sub> = I <sub>N</sub> terminal	block; light	
100	1-3-5	2000-405/011	-000 25	
Push-in type cross-section	wire jumper; ins n; I <sub>N</sub> 9 A	ulated; 0.75 m	m² conductor	
	L = 60 mm	2009-402	100 (10)	
	L = 110 mm	2009-404	100 (10)	
1	L = 250 mm	2009-406	100 (10)	
Modular connector; snaps together; for jumper contact slot Terminal block width: 5 mm / 0.197 inch				
P	gray	2000-511	100 (25)	
Modular conr slot	nector; snaps to	gether; for jum	per contact	
The	gray	2000-510	100 (25)	

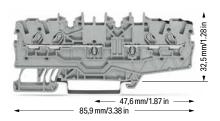
os					
	Spacer modu terminal bloc	ıle; snaps togeth ks	er; bridges cor	mmoned	
	la .	gray	2000-549	100 (25)	
	End plate; for	modular connec	ctor; 1.5 mm th	ick	
		gray	2002-541	100 (25)	
	Test plug adapter; for 4 mm Ø test plug				
	1	gray	2009-174	100 (25)	
		for 4 mm socket e, black, blue, yell		or mixed; 10 x	
	5 5	•	215-111	50	
	Testing tap; for	or max. 2.5 mm²			
	100	gray	2009-182	100 (25)	



#### **Technical Data**

Terminal block width: 3.5 mm / 0.138 inch

 $\blacksquare \blacksquare \blacksquare 9 \dots 11 \; \text{mm} \, / \, 0.35 \dots 0.43 \, \text{inch}$ 



## Double-potential terminal block; both potentials can be commoned

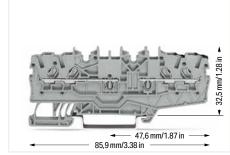
Color	Item No.	Pack. Unit
○ gray ⓑ	2000-2141 4	50

Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 13 A
  12 A jumper

Please observe the application notes: Separator for Ex e/Ex i applications, see page 43 Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Front-entry double-potential terminal blocks are space savers. Two independent feedthrough circuits are placed in one insulated housing on one level in just 3.5 mm. This achieves a width of just 1.75 mm versus standard through terminal blocks. Input and output of a circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.



Standard and quick marking options: Three marker slots are available for both individual markers and marking strips.

### Accessories; item-specific

End and intermediate plate; 0.7 mm thick

orange 2000-2196 100 (25) gray 2000-2195 100 (25)

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red 210-136 50(1)

Test plug; with 500 mm cable; 2.3 mm Ø; max. 42 V

yellow 210-137 50 (1)

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel

white 2009-113 1

Marking strip; plain; 11 mm wide; 50 m reel

WMB marking card; white; 10 strips with 10 markers/card;

2009-110

for 3.5 mm terminal block width

plain 793-3501 5



2009-193 Group Marker Carrier (equipped with marking strips) for all 2001 to 2016 Series Rail-Mount Terminal Blocks TOPJOB® S
Do not use on an end plate!



Standard and quick marking options:

Four marker slots (double-potential terminal blocks) are available for both individual markers and marking strips.

O,

# Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block, Double-Potential Terminal Block TOPJOB® S

1.5 (2.5) mm<sup>2</sup>; 2001 Series

Technical Data			
0.25 1.5 (2.5) mm <sup>2</sup>	22 14 AWG		
	600 V, 15 A <b>R</b>		
I <sub>N</sub> 18 A (24 A)	600 V, 15 A@		
Terminal block width: 4.2 mm / 0.165 inch			
9 11 mm / 0.35 0.43 inch			

Technical Data		
0.25 1.5 (2.5) mm <sup>2</sup>	22 14 AWG	
800 V/8 kV/3 <b>2</b>	600 V, 15 A <b>9</b> 1	
I <sub>N</sub> 18 A (24 A)	600 V, 15 A@	
Terminal block width: 4.2 mm / 0.165 inch		
9 11 mm / 0.35 0.43 inch		

Technical Data		
0.25 1.5 (2.5) mm <sup>2</sup>	22 14 AWG	
800 V/8 kV/3 2	600 V, 15 A <b>9</b>	
I <sub>N</sub> 18 A (24 A)	600 V, 15 A@	
Terminal block width: 4.2 mm / 0.165 inch		
9 11 mm / 0.35 0.43 inch		

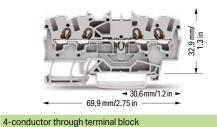




3-conductor through terminal block

3-conductor ground terminal block

Diode



19,9mm/0.78in <b>→</b> 48,5 mm/1.91 in —			
2-conductor through terminal block			
Color	Item No.	Pack. Unit	
gray	2001-1201 4	100	
oblue 😡	2001-1204 🔞 🐠	100	
orange 😉	2001-1202 4	100	
ered 😉	2001-1203 4	100	
● black ®	2001-1205 4	100	
yellow 😉	2001-1206 4	100	
2-conductor ground terminal block			
green-yellow 🗟	2001-1207 4	100	
2-conductor chiefd terminal block			

Color	Item No.	Pack. Unit
○ gray ⑤	2001-1301 4	100
■ blue   □	2001-1304 3 4	100
orange 🗟	2001-1302 4	100
red 😉	2001-1303 4	100
● black ®	2001-1305 4	100
yellow 🗟	2001-1306 4	100

Color	Item No.	Pack. Unit
○ gray ⑤	2001-1401 4	100
■ blue   □	2001-1404 🔞 🐠	100
orange 🗟	2001-1402 4	100
ed 😉	2001-1403 4	100
● black ⑤	2001-1405 4	100
yellow 🗟	2001-1406 4	100

green-yellow 🗟	2001-1207 4	100		
2-conductor shield ter	minal block			
white	2001-1208	100		
Other terminal blocks with the same profile:				
Diodo	2001-1211/1000-411	Page 120		

green-yellow 🗟	2001-1307 4	100		
3-conductor shield terminal block				
white	2001-1308	100		

2001-1311/1000-411 Page 130

4-	conductor shield ter	minal block	
C	) white	2001-1408	100

Other terminal blocks with the same profile:

100

2001-1411/1000-411 Page 130

4-conductor ground terminal block

Accessories;	item-specific			
End and inter	mediate plate; 0	.8 mm thick		
	orange	2002-1292	100 (25)	
	gray	2002-1291	100 (25)	
Separator; ov	ersized; 2 mm th	nick		
	orange	2002-1294	100 (25)	
_	gray	2002-1293	100 (25)	
Ex e/Ex i separator; orange; 3 mm thick				
	90 mm	209-190	50 (25)	
	120 mm	209-191	50 (25)	

LED	2001	-1321/1000-434	Page 130
Accessories;	item-specific		
End and interi	mediate plate;	0.8 mm thick	
	orange	2002-1392	100 (25)
	gray	2002-1391	100 (25)
Separator; ov	ersized; 2 mm	thick	
	orange	2002-1394	100 (25)
_	gray	2002-1393	100 (25)
1			

LED		2001-1421/1000-434	Page 130	
Accessories;	Accessories; item-specific			
End and inter	mediate	plate; 0.8 mm thick		
	orange	2002-1492	100 (25)	
Section 2	gray	2002-1491	100 (25)	
Separator; oversized; 2 mm thick				
Separator; ov	gray	2002-1491	. ,	

separator, ove	ersizeu, z mim un	ICK		
	orange	2002-1394	100 (25)	
_	gray	2002-1393	100 (25)	
Ex e/Ex i separator; orange; 3 mm thick				
	120 mm	209-191	50 (25)	
No.				

Separator; oversized; 2 mm thick				
	orange	2002-1494	100 (25)	
	gray	2002-1493	100 (25)	
7				
Ex e/Ex i separator; orange; 3 mm thick				
	120 mm	209-191	50 (25)	
	N .			

Accessories; 2001 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation s	top; 5 pcs/strip;	0.25 0.5 mm	2
	light gray	2001-171	200 (25)
Hillian			
	varning marker; 5 terminal block		-voltage
	yellow	2001-115	100 (25)

				-
	Push-in type j	umper bar; insul	ated; I <sub>N</sub> 18 A; li	ght gray
TIT	2-way	2001-402	25	
	3-way	2001-403	25	
	ETTI	4-way	2001-404	25
	5-way	2001-405	25	
	6-way	2001-406	25	
	7-way	2001-407	25	
		8-way	2001-408	25
	9-way	2001-409	25	
		10-way	2001-410	25

Push-in type j	umper bar; insul	ated; I <sub>N</sub> 18 A; li	ght gray
	1 to 3	2001-433	25
	1 to 4	2001-434	25
1. 7	1 to 5	2001-435	25
	1 to 6	2001-436	25
	1 to 7	2001-437	25
	1 to 8	2001-438	25
	1 to 9	2001-439	25
	1 to 10	2001-440	25

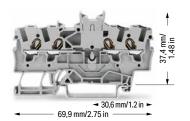
THEFT

#### **Technical Data**

0.25 ... 1.5 (2.5) mm<sup>2</sup> 22 ... 14 AWG 600 V, 15 A**N** 800 V/8 kV/3 2 I<sub>N</sub> 18 A (24 A) 600 V, 15 A@

Terminal block width: 4.2 mm / 0.165 inch

**2** ■ 9 ... 11 mm / 0.35 ... 0.43 inch



Double-potential terminal block; with push-button; with double, center marking slot

Notice: This double potential terminal block cannot be commoned with push-in type jumper bars!

Color	Item No.	Pack. Unit
○ gray ⑤	2001-1441	100

Conductor range: 0.25 ... 2.5 mm2 "s+f-st"; Push-in termination: 0.75 ... 2.5 mm2 "s" and 0.75 ... 1.5 mm<sup>2</sup> "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications 550 V; 17 A 16 A jumper

Please observe the application notes: Separator for Ex e/Ex i applications, see page 43 Step-down jumpers, see page 47 Jumpers, from page 163 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2001 Series

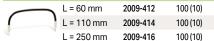
Appropriate marking systems: WMB/WMB Inline/Marking strips

Step-down jumper; insulated; commons 6/4 mm² (10/12 AWG) to 4/2.5/1.5 mm² (12/14/16 AWG); I<sub>N</sub> 32 A

> light gray 2006-499



# Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor



Modular connector; snaps together; for jumper contact slot



### Test plug adapter; for 4 mm Ø test plug

2009-174 100 (25) gray

215-111

Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V



### Testing tap; for max. 2.5 mm<sup>2</sup>

2009-182 100 (25) gray

#### Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

210-136 50(1)

#### Test plug; with 500 mm cable; 2.3 mm Ø; max. 42 V

210-137 yellow 50(1)

#### Accessories; 2001 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB Inline; plain; 2,000 WMB markers (4 mm)/reel; ... 4.2 mm stretchable



white

2009-114

Marking strip; plain; 11 mm wide; 50 m reel

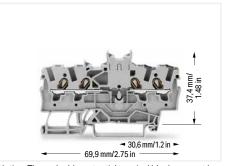
2009-110 white

WMB marking card; white; 10 strips with 10 markers/card; 4 ... 4.2 mm stretchable

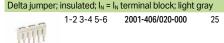
> 793-4501 plain

WMB marking card; plain; 10 strips with 10 markers/card; 4 ... 4.2 mm stretchable





Notice: These double-potential terminal blocks cannot be commoned with push-in type jumper bars! Front-entry double-potential terminal blocks are space savers. Two independent feedthrough circuits are placed in one insulated housing on one level in just 4.2 mm. This achieves a width of just 2.1 mm versus standard through terminal blocks. Input and output of a circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.



Star point jumper; insulated;  $I_N = I_N$  terminal block; light gray



Accessories; item-specific

End and intermediate plate; 0.9 mm thick

orange

orange

gray

gray

Separator; oversized; 2 mm thick

1-3-5 2001-405/011-000 25

2002-1492

2002-1491

2002-1494

2002-1493

100 (25)

100 (25)

100 (25)

100 (25)



### Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block, Double-Potential Terminal Block TOPJOB® S

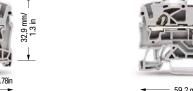
2.5 (4) mm<sup>2</sup>; 2002 Series

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
800 V/8 kV/3 2	600 V, 20 A 👊	
I <sub>N</sub> 24 A (32 A)	600 V, 20 A@	
Terminal block width: 5.2 mm / 0.205 inch		
■ 10 12 mm / 0.39 0.47 inch		

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
	600 V, 20 A <b>RA</b>	
I <sub>N</sub> 24 A (32 A)	600 V, 20 A®	
Terminal block width: 5.2 mm / 0.205 inch		
■ 10 12 mm / 0.39 0.47 inch		

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
800 V/8 kV/3 2	600 V, 20 A <b>N</b>	
I <sub>N</sub> 24 A (32 A)	600 V, 20 A@	
Terminal block width: 5.2 mm / 0.205 inch		
10 12 mm / 0.39 0.47 inch		





Diode



19,9mm/0.78in  48,5 mm/1.91 in  2-conductor through terminal block			
Col	or	Item No.	Pack. Unit
0	gray 🗟	2002-1201 4	100
	blue 😉	2002-1204 3 4	100
	orange 🗟	2002-1202 4	100
	red 😉	2002-1203 4	100
•	black 😉	2002-1205 4	100
0	yellow 😉	2002-1206 4	100
2-conductor ground terminal block			
	green-yellow 🗟	2002-1207 4	100

Color	Item No.	Pack. Unit
○ gray ⑤	2002-1301 4	100
■ blue   □	2002-1304 3 4	100
orange 🗟	2002-1302 4	100
red 😉	2002-1303 4	100
● black ®	2002-1305 4	100
o yellow 🗟	2002-1306 4	100

3-conductor through terminal block

3-conductor ground terminal block

Color	Item No.	Pack. Unit
○ gray ⓑ	2002-1401 4	100
oblue 🗟	2002-1404 3 4	100
orange 😉	2002-1402 4	100
red 😉	2002-1403 4	100
● black ⓑ	2002-1405 4	100
o yellow 😡	2002-1406 4	100

4-conductor through terminal block

4-conductor ground terminal block

green-yellow 🗟	2002-1207 4	100
2-conductor shield ter	minal block	
O white	2002-1208	100
Other terminal blocks	with the same profile:	
Diode	2002-1211/1000-411	Page 132

3-conductor shield terminal block				
white	2002-1308	100		
Other terminal blocks with the same profile:				

100

2002-1311/1000-411 Page 132

4-conductor shie	ld terminal block			
white 2002-1408 100				
Other terminal blocks with the same profile:				

100

100 (25)

Diode		2002-12	11/1000-411	Page 132
Accessories;	item-spe	ecific		
End and interr	mediate	plate; 0.8	8 mm thick	
	orange		2002-1292	100 (25)
STATE OF	gray		2002-1291	100 (25)
Separator; oversized; 2 mm thick				
	orange		2002-1294	100 (25)
_	gray		2002-1293	100 (25)
Ex e/Ex i sepa	rator; or	ange; 3 r	mm thick	
	90 mm		209-190	50 (25)
	120 mr	n	209-191	50 (25)
1				
Accessories;	2002 Se	ries		

LED		2002-1321/1000-434	Page 132
Accessories;	item-spe	ecific	
End and interr	nediate	plate; 0.8 mm thick	
	orange	2002-1392	100 (25)
	gray	2002-1391	100 (25)
Separator; ove	ersized; 2	2 mm thick	
	orange	2002-1394	100 (25)
<del>-</del>	gray	2002-1393	100 (25)
The second second			

	Carlor torrimian brooks trian and carrie promot			
	Diode	2002-1411/1000-411	Page 132	
	LED	2002-1421/1000-434	Page 132	
Accessories; item-specific				

2002-1492

End and intermediate plate; 0.8 mm thick orange



	gray	2002-1491	100 (25)
Separator; ov	ersized; 2 mm th	iick	
	orange	2002-1494	100 (25)
_	gray	2002-1493	100 (25)
Ex e/Ex i sepa	rator; orange; 3	mm thick	
	120 mm	209-191	50 (25)

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation sto	p; 5 pcs/strip;	0.25 0.5 mm <sup>2</sup>	!
	light gray	2002-171	200 (25)
Wille.			
Insulation sto	pp; 5 pcs/strip;	0.75 1 mm <sup>2</sup>	
	dark gray	2002-172	200 (25)
00000			

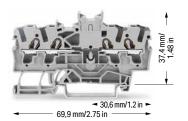
ippropriate man	iting dyotomo. 11		ormaning out
Push-in type j	umper bar; insul	ated; I <sub>N</sub> 25 A; Ii	ght gray
	2-way	2002-402	25
100	3-way	2002-403	25
LILL	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

Push-in type j	umper bar; insula	ated; I <sub>N</sub> 25 A; lig	ght gray
	1 to 3	2002-433	25
F	1 to 4	2002-434	25
1 1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

#### **Technical Data**

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch



Double-potential terminal block; with double, center marking slot

Notice: This double potential terminal block cannot be commoned with push-in type jumper bars!

Color	Item No.	Pack. Unit
gray 😉	2002-1441 4	100

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 22 A
  20 A jumper

Please observe the application notes: Separator for Ex e/Ex i applications, see page 43 Step-down jumpers, see page 47 Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Staggered jumper; insulated; $I_N$ 25 A; light gray



Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_N$  25 A; light gray



1-3	2002-473/011-000	25
1-3-5	2002-475/011-000	25
1-3-5-7	2002-477/011-000	25
1-3-5-7-9	2002-479/011-000	25
1-3-5-7-9-11	2002-481/011-000	25

Adjacent jumper for continuous commoning; insulated;  $I_{\text{\tiny N}}$  25 A, light gray

2-way **2002-400** 25

# Ī

THEFT

# Adjacent jumper for continuous commoning; insulated; $I_{\scriptscriptstyle N}$ 25 A; 1 to 3

	light gray	<b>2002-423</b> 25	
F	red	2002-423/000-005	25
14	blue	2002-423/000-006	25

## Adjacent jumper for continuous commoning; insulated; $I_N$ 25 A, light gray



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Step-down jumper; insulated; commons 6/4 mm² (10/12 AWG) to 4/2.5/1.5 mm² (12/14/16 AWG);  $l_N$  32 A

light gray

2006-499

25

### Y

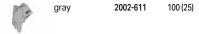
# Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; $I_{\rm N}$ 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

### Modular connector; snaps together; for jumper contact slot



#### L-type test plug module; snaps together



### WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

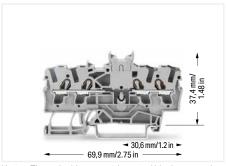
	white	2009-115	1
(A)			

### Marking strip; plain; 11 mm wide; 50 m reel

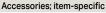
white 2009-110

# WMB marking card; white; 10 strips with 10 markers/card; $5\dots5.2~\text{mm}$ stretchable

plain **793-5501** 5



Notice: These double-potential terminal blocks cannot be commoned with push-in type jumper bars! Front-entry double-potential terminal blocks are space savers. Two independent feedthrough circuits are placed in one insulated housing on one level in just 5.2 mm. This achieves a width of just 2.6 mm versus standard through terminal blocks. Input and output of a circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.



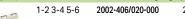
#### End and intermediate plate: 0.9 mm thick

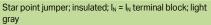
Eria ana intermediate piate, e.e min trior			
	orange	2002-1492	100 (25)
	gray	2002-1491	100 (25)

### Separator; oversized; 2 mm thick

 orange	2002-1494	100 (25)
 gray	2002-1493	100 (25)

### Delta jumper; insulated; $I_N$ = $I_N$ terminal block; light gray









# Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block, TOPJOB® S

2.5 (4) mm<sup>2</sup>; 2002 Series

Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
	600 V, 20 A 👊
I <sub>N</sub> 24 A (32 A)	600 V, 20 A@
Terminal block width: 5.2 mm	n / 0.205 inch
10 12 mm / 0 30	0.47 inch



3-conductor through terminal block			
Color	Item No.	Pack. Unit	
○ gray ⓑ	2002-6301 4	100	
■ blue ⑤	2002-6304 3 4	100	
orange 🗟	2002-6302 4	100	
red 😡	2002-6303 4	100	
black	2002-6305 4	100	
o yellow &	2002-6306 4	100	

3-conductor ground terminal block			
green-yellow 🗟	2002-6307 4	100	

3-conductor shield ter	rminal block	
O white	2002-6308	100

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 0.8 mm thick				
	orange	2002-6392	100 (25)	
	gray	2002-6391	100 (25)	

Ex e/Ex i separator; orange; 3 mm thick				
	120 mm	209-191	50 (25)	

Insulation sto	p; 5 pcs/strip;	0.25 0.5 mm	l <sup>2</sup>
- 1	light gray	2002-171	200 (25)

Insulation st	op; 5 pcs/strip;	0.75 1 mm²		
	dark gray	2002-172	200 (25)	
VVIII				

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)

### TTTTT

Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
	2-way	2002-402	25	
111	3-way	2002-403	25	
IIII	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 22 A
  20 A jumper

Please observe the application notes: Separator for Ex e/Ex i applications, see page 43 Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type ji	umper bar; insul	ated; I <sub>N</sub> 25 A; Ii	ght gray
	1 to 3	2002-433	25
F	1 to 4	2002-434	25
1 1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25
			P. Lie

Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray 1-2 3-4 5-6 2002-406/020-000 2



Star point jumper; insulated;  $I_N = I_N$  terminal block; light gray

1-3-5 2002-405/011-000 25

Staggered Jun	ıper; insulated; i <sub>l</sub>	v 25 A; light gr	ay
	2-way	2002-472	25
16 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3-way	2002-473	25
Hirry	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_N$  25 A; light gray

The IV	1-3	2002-473/011-	000	25	
The state of the August	1-3-5	2002-475/011-	000	25	
1111	1-3-5-7	2002-477/011-	000	25	
	1-3-5-7-9	2002-479/011-	000	25	
	1-3-5-7-9-11	2002-481/011-	000	25	
Adjacent jumper for continuous commoning; insulated; $I_{N}$ 25 A, light gray					
	2-way	2002-400	25		
}					

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

# Adjacent jumper for continuous commoning; insulated; $I_{\rm N}\,25$ A; 1 to 3

	light gray	2002-423 25	
F	red	2002-423/000-005	25
14	blue	2002-423/000-006	25

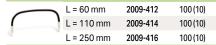
# Adjacent jumper for continuous commoning; insulated; $I_{N}\,25\,A,$ light gray

2002-415

5-way



# Push-in type wire jumper; insulated; 1.5 $\rm mm^2$ conductor cross-section; $\rm I_N$ 18 A



### Modular connector; snaps together; for jumper contact slot



# Spacer module; snaps together; bridges commoned terminal blocks



#### End plate; for modular connector; 1.5 mm thick gray 2002-541 100 (25)

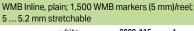


# **₹**





### End plate; for modular test plug module; 1.5 mm thick gray 2002-641 100 (25)



	white	2009-115	1
€			

Marking strip; plain; 11 mm wide; 50 m reel				
0	white	2009-110	1	

WMB marking card; white; 10 strips with 10 markers/card;  $5\dots5.2\ \text{mm}$  stretchable

plain **793-5501** 5



# Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series



4-conductor through terminal block Notice: This terminal block cannot be commoned with push-in type jumper bars!

Color	Item No.	Pack. Unit
○ gray ⑤	2002-6401 4	100
blue 🛭	2002-6404 3 4	100
orange 🗟	2002-6402 4	100
red	2002-6403 4	100
● black ⓑ	2002-6405 4	100
yellow 🕏	2002-6406 4	100

4-conductor ground terminal block			
green-yellow 🗟	2002-6407 4	100	

#### Accessories: 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 0.8 mm thick				
ora	nge <b>20</b> 0	02-6392 1	00 (25)	
gra	y 200	02-6391 1	00 (25)	

Ex e/Ex i separator; orange; 3 mm thick				
	120 mm	209-191	50 (25)	
	ľ			

Insulation stop; 5 pcs/strip; 0.25 0.5 mm <sup>2</sup>				
light gray 2002-171 200 (25)				
-0000				

Insulation stop; 5 pcs/strip;	0.75 1 mm²
dark gray	2002-172



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)

2009-115

200 (25)

Tittl

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white



Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 800 V = rated voltage
   8 kV = rated impulse voltage
   3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 22 A
  20 A jumper

Please observe the application notes: Separator for Ex e/Ex i applications, see page 43 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



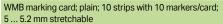
3- and 4-conductor terminal blocks (angled type): WAGO's Rail-Mount Terminal Blocks TOPJOB® S have a 35-degree conductor entry angle permitting a very small bend radius and an extremely short wiring distance to the cable duct. These are space- and cost-saving solutions for switchgear and control cabinet applications that use the LSC wiring system from Lütze. The design allows cable duct to be placed very close to the terminal blocks, keeping its height relatively low.

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB marking card; white; 10 strips with 10 markers/card;  $5 \dots 5.2$  mm stretchable

plain **793-5501** 5

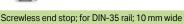


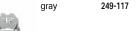
1411111111	yellow	793-5501/000-002	5
	red	793-5501/000-005	5
	blue	793-5501/000-006	5
	gray	793-5501/000-007	5
	orange	793-5501/000-012	5
	light green	793-5501/000-017	5
	green	793-5501/000-023	5

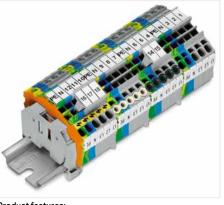
793-5501/000-024

50 (25)

Screwless end stop; for DIN-35 rail; 6 mm wide				
	249-116	100 (25)		
ATTEN.				







#### Product features:

- Push-in CAGE CLAMP® connection for all conductor types, with the additional benefit of solid, stranded and fine-stranded conductors with ferrules being simply pushed in
- Vibration-proof, fast, maintenance-free
- 3-conductor through and ground conductor terminal blocks equipped with a dual jumper slot
- 4-conductor terminal blocks permit potential multiplication – no additional jumpers or terminal blocks needed
- 3- and 4-conductor terminal blocks have the same dimensions.
- An end plate must be applied when changing from a 3-conductor terminal block to a 4-conductor terminal block and vice versa.



### Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block TOPJOB® S

4 (6) mm<sup>2</sup>; 2004 Series

Technical Data			
0.5 4 (6) mm <sup>2</sup>	20 10 AWG		
800 V/8 kV/3 2	600 V, 30 A <b>9</b>		
I <sub>N</sub> 32 A (41 A)	600 V, 30 A@		
Terminal block width: 6.2 mm / 0.244 inch			
□□□□□ 11 13 mm / 0.43	0.51 inch		

Technical Data	
	20 10 AWG
800 V/8 kV/3 2	600 V, 30 A <b>RL</b>
I <sub>N</sub> 32 A (41 A)	600 V, 30 A@
Terminal block width: 6.2 mn	n / 0.244 inch
11 13 mm / 0.43.	0.51 inch

Technical Data		
0.5 4 (6) mm <sup>2</sup>	20 10 AWG	
800 V/8 kV/3 2	600 V, 30 A <b>RX</b>	
I <sub>N</sub> 32 A (41 A)	600 V, 30 A@	
Terminal block width: 6.2 mm / 0.244 inch		
■■1113 mm / 0.43.	0.51 inch	



2-conductor through terminal block		
Color	Item No.	Pack. Unit
○ gray ⑤	2004-1201 4	50
oblue 🗟	2004-1204 3 4	50
orange 😡	2004-1202 4	50
ered 🚱	2004-1203 4	50
● black ⓑ	2004-1205 4	50
o yellow 🛭	2004-1206 4	50

2-conductor ground	terminal block	
green-yellow 🗟	2004-1207 4	50

Other terminal blocks with the same profile:



3-conductor through terminal block		
Color	Item No.	Pack. Unit
○ gray ⓑ	2004-1301 4	50
oblue 🗟	2004-1304 🔞 🐠	50
orange 🛭	2004-1302 4	50
red 😡	2004-1303 4	50
● black ⓑ	2004-1305 4	50
yellow 🛭	2004-1306 4	50

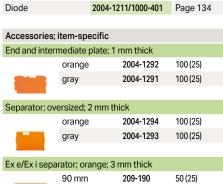




	4-conductor through terminal block		
Color		Item No.	Pack. Unit
	○ gray ⓑ	2004-1401 4	50
	oblue 🗟	2004-1404 🔞 🐠	50
	orange 🗟	2004-1402 4	50
	ered &	2004-1403 4	50
	● black ⑤	2004-1405 4	50
	o yellow 🗟	2004-1406 4	50

4-conducto	r ground term	inal block		
green-y	ellow 🗟 20	04-1407	50	

4-conductor shield ter	minal block	
O white	2004-1408	50
Other terminal blocks	with the same profile:	
Diode	2004-1411/1000-401	Page 134



Ex e/Ex i sepa	rator; orange; 3	mm thick	
	90 mm	209-190	50 (25)
	120 mm	209-191	50 (25)
1			

Other termina	l blocks	with the	same prof	ile:			
Diode		2004-13	311/1000-40	1	Page	134	
Accessories;	item-sp	ecific					
End and inter	mediate	plate; 1	mm thick				
	orange		2004-1392		100 (2	5)	
Sec. 10	gray		2004-1391		100 (2	:5)	
Separator; ov	ersized;	2 mm th	iick				
	orange		2004-1394		100 (2	5)	
_	gray		2004-1393		100 (2	5)	
-							
Ex e/Ex i sepa	rator; or	ange; 3	mm thick				
	120 mr	n	209-191		50 (25	i)	
Tr.							

Accessories;	item-specific		
End and interi	mediate plate; 1	mm thick	
	orange	2004-1492	100 (25)
Section 2	gray	2004-1491	100 (25)
Separator; ov	ersized; 2 mm th	iick	
	orange	2004-1494	100 (25)
	gray	2004-1493	100 (25)
Ex e/Ex i sepa	rator; orange; 3	mm thick	
	120 mm	209-191	50 (25)
T/S			

Accessor	ies; 2	2004	Seri	es

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation sto	p; 5 pcs/strip; 0.	25 0.5 mm²	
ann	light gray	2004-171	200 (25)
Insulation sto	p; 5 pcs/strip; 0.	75 1 mm²	
00000	dark gray	2004-172	200 (25)
	rning marker; wi terminal blocks	th black high-	voltage
	yellow	2004-115	100 (25)

TTTTT Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray

1-2 3-4 5-6 2004-406/020-000

ppropriatema	irking systems	5. VVIVID/ VVIVID II III	i ici iviai r	uriy suri
Push-in type	jumper bar; ir	nsulated; I <sub>N</sub> 32 A;	light gra	ay
	2-way	2004-402	25	
THE	3-way	2004-403	25	
TITI	4-way	2004-404	25	
	5-way	2004-405	25	
	6-way	2004-406	25	
	7-way	2004-407	25	
	8-way	2004-408	25	
	9-way	2004-409	25	
	10-way	2004-410	25	
Star point jui gray	mper; insulate	d; I <sub>N</sub> = I <sub>N</sub> terminal	block; li	ght
-	1-3-5	2004-405/01	1-000	25

-				
	Push-in type j	umper bar; insul	ated; I <sub>N</sub> 32 A; li	ght gray
		1 to 3	2004-433	25
		1 to 4	2004-434	25
	1 1	1 to 5	2004-435	25
		1 to 6	2004-436	25
		1 to 7	2004-437	25
		1 to 8	2004-438	25
		1 to 9	2004-439	25
		1 to 10	2004-440	25
	Step-down jur	mper; insulated;	commons 6/4	mm²
	(10/12 AWG) t	o 4/2.5/1.5 mm²	(12/14/16 AW	/G); I <sub>N</sub> 32 A
	1000	light gray	2006-499	25

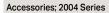




- Conductor range: 0.5 ... 6 mm2 "s+f-st"; Push-in termination: 1.5 ... 6 mm<sup>2</sup> "s" and 1.5 ... 4 mm<sup>2</sup> "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 30 A

Please observe the application notes: Separator for Ex e/Ex i applications, see page 43 Step-down jumpers, see page 47 Jumpers, from page 163 Testing accessories, from page 156 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Appropriate marking systems: WMB/WMB Inline/Marking strips

Modular connector; snaps together; for jumper contact slot



gray

2004-511

100 (25)

Spacer module; snaps together; bridges commoned terminal blocks

> 2004-549 100 (25)



End plate; for modular connector; 1.5 mm thick

2004-541 100 (25)



Test plug adapter; for 4 mm Ø test plug

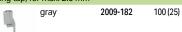
2009-174 100 (25) gray

Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V



215-111 50

Testing tap; for max. 2.5 mm<sup>2</sup>



Marking strip; plain; 11 mm wide; 50 m reel

2009-110 white

WMB marking card; white; 10 strips with 10 markers/card; 5...5.2 mm stretchable



plain

793-5501 5

Group marker carrier: snap-on type for jumper slot: 5 mm



gray

2009-191

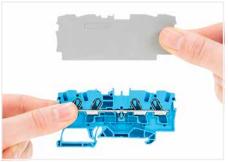
50 (25)



Through terminal blocks with a blue insulated housing are suitable for Ex i applications.



All through and ground conductor terminal blocks are suitable for Ex e II applications.



Separator for Ex e/Ex i applications:

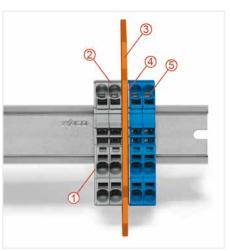
An end plate must be applied to the terminal block located directly behind an Ex e/Ex i separator plate.



Ex e II/Ex i terminal strip

#### Notice:

The movable feet of terminal blocks and separator plates must face the same direction.



Separator located between Ex e II and Ex i terminal strip

- ① End plate
- 2 Ex e II terminal blocks
- ③ Separator for Ex e/Ex i applications
- (4) End plate
- (5) Ex i terminal blocks



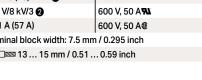
The embossed details on the terminal blocks show the manufacturer's name, the series no., the type of protection Ex e II, the approval no., the approval data and the name of the testing authority.

### Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block TOPJOB® S

6 (10) mm<sup>2</sup>; 2006 Series

Technical Data		
` '	20 8 AWG	
800 V/8 kV/3 2	600 V, 50 A <b>RA</b>	
I <sub>N</sub> 41 A (57 A)	600 V, 50 A®	
Terminal block width: 7.5 mm / 0.295 inch		
■ 13 15 mm / 0.51 0.59 inch		

Technical Data		
0.5 6 (10) mm <sup>2</sup>	20 8 AWG	
	600 V, 50 A <b>RL</b>	
I <sub>N</sub> 41 A (57 A)	600 V, 50 A®	
Terminal block width: 7.5 mm / 0.295 inch		
√ ■ 13 15 mm / 0.51	0.59 inch	





40,8 mm/1.61 ir
 73,3 mm/2.89 in ———

2-conductor through terminal block			
Color	Item No.	Pack. Unit	
○ gray ⑤	2006-1201 4	50	
oblue 😡	2006-1204 3 4	50	
orange 🗟	2006-1202 4	50	

2-conductor ground terminal block 

2-conductor shield terminal block

white

24.8 mm/0.98 in

50

3-conductor through terminal block				
Color	Item No.	Pack. Unit		
gray 🛭	2006-1301 4	25		
oblue 🗟	2006-1304 3 4	25		
orange 🛭	2006-1302 4	25		
■ black ⑤	2006-1305 4	25		

_4		
Ë	in the state of th	
	32,9 mm/ 1.3 in	
<u>^</u>		
	- 40.0 mm/1.61 in -	

3-conductor ground terminal block			
green-yellow 🛭	2006-1307 4	25	

Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm<sup>2</sup> "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 38 A; for 2-conductor terminal blocks 550 V; 36 A; for 3-conductor terminal blocks 33 A jumper

Please observe the application notes: Separator for Ex e/Ex i applications, see page 43 Step-down jumpers, see page 47 Jumpers, from page 163 Testing accessories, from page 156 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Cover (2006-191) seals unused conductor entry.

#### Accessories; item-specific End and intermediate plate; 1 mm thick 100 (25) orange 2006-1292 100 (25) 2006-1291 gray Separator; oversized; 2 mm thick orange 2006-1294 100 (25) 100 (25) 2006-1293

2006-1208

End and intermediate plate, i min thek			
	orange	2006-1392	100 (25)
	gray	2006-1391	100 (25)
4			
Separator; oversized; 2 mm thick			
	orange	2006-1394	100 (25)
_	gray	2006-1393	100 (25)

Protective warning marker; with black high-voltage

2006-115

100 (25)

Accessories; item-specific End and intermediate plate: 1 mm thick

symbol; for 5 terminal blocks yellow

Accessories; 2006 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Ex e/Ex i sep	arator, orange,	3 IIIIII UIICK		
	120 mm	209-191	50 (25)	
Push-in type	jumper bar; ins	sulated; I <sub>N</sub> 41 A;	light gra	у
	2-way	2006-402	25	
JULY	3-way	2006-403	25	
Live	4-way	2006-404	25	
	5-way	2006-405	25	
Push-in type jumper bar; insulated; I <sub>N</sub> 41 A; light gray				
	1 to 3	2006-433	25	
5-4	1 to 4	2006-434	25	
1	1 to 5	2006-435	25	
Star point jun	nper; insulated;	$I_N = I_N \text{ terminal } I$	olock; ligh	nt gray
JULEY	1-3-5	2006-405/01	1-000	25

Step-	down jumper; insulat	ed; commons 6/4	1 mm²
(10/1	2 AWG) to 4/2.5/1.5 m	nm² (12/14/16 AV	VG); I <sub>N</sub> 32 A
	light gray	2006-499	25

10 10 10 10 Lockout cap; for conductor entry and operating slot gray 2006-191 Modular connector; snaps together; for jumper contact 2006-511 50 (25) Test plug adapter; for 4 mm Ø test plug 2009-174 gray Marking strip; plain; 11 mm wide; 50 m reel white 2009-110



Commoning with step-down jumpers.

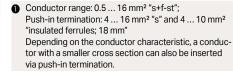


### Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block TOPJOB® S

10 (16) mm<sup>2</sup>; 2010 Series

Technical Data			
0.5 10 (16) mm <sup>2</sup>	20 6 AWG		
800 V/8 kV/3 2	600 V, 65 A <b>9N</b>		
I <sub>N</sub> 57 A (76 A)	600 V, 65 A®		
Terminal block width: 10 mm / 0.394 inch			
17 19 mm / 0.67 0.75 inch			

Technical Data		
0.5 10 (16) mm <sup>2</sup>	20 6 AWG	
800 V/8 kV/3 <b>2</b>	600 V, 65 A <b>93</b>	
I <sub>N</sub> 57 A (76 A)	600 V, 65 A@	
Terminal block width: 10 mm / 0.394 inch		
17 19 mm / 0.67 0.75 inch		



- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Exiapplications.
- Terminal blocks with an Ex mark are suitable for Ex e II 550 V; 51 A; for 2-conductor terminal blocks 550 V; 50 A; for 3-conductor terminal blocks

Please observe the application notes: Separator for Ex e/Ex i applications, see page 43 Step-down jumpers, see page 47 Jumpers, from page 163 Testing accessories, from page 156 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



2-conductor through terminal block			
Color	Item No.	Pack. Unit	
○ gray ⓑ	2010-1201 4	25	
oblue 😉	2010-1204 3 4	25	
orange 🗟	2010-1202 4	25	
■ black   □	2010-1205 4	25	

2-conductor through terminal block			
Color	Item No.	Pack. Unit	
○ gray ⑤	2010-1201 4	25	
oblue 😡	2010-1204 3 4	25	
orange 🗟	2010-1202 4	25	
■ black   ⑤	2010-1205 4	25	

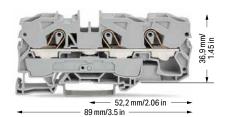


2010-1208

25







3-conductor through terminal block			
Color	Item No.	Pack. Unit	
○ gray ⓑ	2010-1301 4	25	
oblue 😉	2010-1304 3 4	25	
orange 😡	2010-1302 4	25	
■ black   ⑤	2010-1305 4	25	

3-conductor ground to	erminal block	
green-yellow 🗟	2010-1307 4	25





Commoning with step-down jumpers.

# Accessories; 2010 Series

O white

Appropriate marking systems: WMB/WMB Inline/Marking strips

TUV.	2-way	2010-402	25	
	3-way	2010-403	25	
Err	4-way	2010-404	25	
	5-way	2010-405	25	
Push-in type j	umper bar; insul	lated; I <sub>N</sub> 57 A; I	ight gray	
	1 to 3	2010-433	25	
1	1 to 4	2010-434	25	
R. w.	1 to 5	2010-435	25	
Star point jum gray	per; insulated; l	<sub>N</sub> = I <sub>N</sub> terminal	block; ligh	nt
TV	1-3-5	2010-405/011	-000	25

Push-in type jumper bar; insulated; I<sub>N</sub> 57 A; light gray



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks





WMB marking card; white; 10 strips with 10 markers/card;



# Through Terminal Block, Ground Conductor Terminal Block, Shield Conductor Terminal Block TOPJOB® S

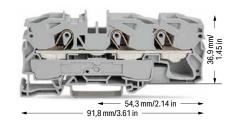
16 (25 "f-st") mm2; 2016 Series

Technical Data			
	20 4 AWG		
800 V/8 kV/3 2	600 V, 85 A <b>9N</b>		
I <sub>N</sub> 76 A (90 A)	600 V, 80 A®		
Terminal block width: 12 mm / 0.472 inch			
1820 mm / 0.71 0.79 inch			

Technical Data		
0.5 16 (25 "f-st") mm <sup>2</sup>	20 4 AWG	
800 V/8 kV/3 <b>2</b>	600 V, 85 A <b>9N</b>	
I <sub>N</sub> 76 A (90 A)	600 V, 80 A@	
Terminal block width: 12 mm / 0.472 inch		
10 20 mm / 0.71	0.70 inch	



2-conductor through terminal block		
Item No.	Pack. Unit	
2016-1201 4	20	
2016-1204 3 4	20	
2016-1202 4	20	
2016-1203 4	20	
	Item No. 2016-1201 4 2016-1204 3 4 2016-1202 4	



3-conductor through terminal block			
Color	Item No.	Pack. Unit	
○ gray ⑤	2016-1301 4	20	
oblue 🗟	2016-1304 3 4	20	
orange 😡	2016-1302 4	20	
red 😡	2016-1303 4	20	
● black ⓑ	2016-1305 4	20	
o yellow 🗟	2016-1306 4	20	

15 mm high DIN-35 rails shall be used for a current load

20

3-conductor ground terminal block

higher than 76 A!

higher than 76 A!				
green-yellow 🗟	2016-1207 4	20		
2-conductor shield terminal block				

15 mm high DIN-35 rails shall be used for a current load

2-conductor ground terminal block

2-conductor shield terminal block			
15 mm high DIN-35 rails shall be used for a current load			
higher than 76 A!			
white	2016-1208	20	

2016-1292

2016-1291

209-191

100 (25)

100 (25)

50 (25)

Accessories; item-specific				
End and interr	mediate plate; 1	mm thick		
	orange	2016-1392	100 (25)	
	gray	2016-1391	100 (25)	
Yes yes				

Conductor range: 0.5 ... 16 mm² "s+f-st", 25 mm² "f-st"; Push-in termination: 6 ... 16 mm² "s" and 6 ... 16 mm² "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted

800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree

via push-in termination.

- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  550 V; 70 A; for 2-conductor terminal blocks
  550 V; 67 A; for 3-conductor terminal blocks
  65 A jumper

Please observe the application notes: Separator for Ex e/Ex i applications, see page 43 Step-down jumpers, see page 47 Jumpers, from page 163 Testing accessories, from page 157 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Finger guard seals an unused conductor entry.

### Accessories; 2016 Series

Accessories; item-specific

End and intermediate plate; 1 mm thick

orange

Ex e/Ex i separator; orange; 3 mm thick

120 mm

gray

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I <sub>N</sub> 76 A; light gray			
	2-way	2016-402	25
JUV	3-way	2016-403	25
H.H.	4-way	2016-404	25
	5-way	2016-405	25
Push-in type j	umper bar; insu	lated; I <sub>N</sub> 76 A; I	ight gray
	1 to 3	2016-433	25
To be	1 to 4	2016-434	25
H.	1 to 5	2016-435	25
Star point jumper; insulated; I <sub>N</sub> = I <sub>N</sub> terminal block; light gray			
TYY	1-3-5	2016-405/011	<b>-000</b> 25
Sten-down jumper: insulated: commons 16/10 mm <sup>2</sup>			

(8/10 AWG) to 10/6/4/2.5 mm<sup>2</sup> (8/10/12/14 AWG);  $I_N$  57 A

light gray

Protective w	arning marker	with black high	-voltage
	terminal block		-voitage
RELEGIES	yellow	2016-115	100 (25)
Finger guard ductor entrie		cover protects (	inused con-
0	yellow	2016-100	100 (25)
Modular con slot	nector; snaps	together; for jur	mper contact
	gray	2016-511	50 (25)
Test plug ada	apter; for 4 mm	Ø test plug	
II,	gray	2009-174	100 (25)

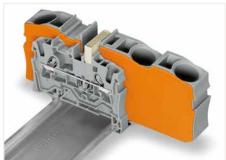


2016-499

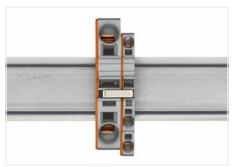
# Step-Down Jumpers TOPJOB® S Installation



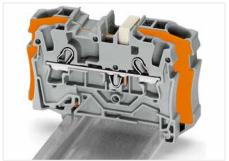
Step-down jumpers (2006-499 and 2016-499)



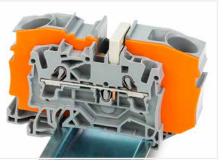
Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point. Commoning may be made in either direction using the special thin end plate to cover the open side. Additional through terminal blocks having a smaller cross-section may be commoned using push-in type jumper bars.



**Using step-down jumpers,** an end plate must be inserted between the terminal blocks to be commoned.



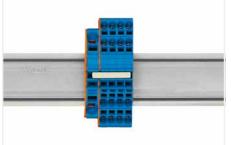
Step-down jumper (2006-499) commons 6/4 mm<sup>2</sup> (10/12 AWG) terminal blocks (2006/2004 Series) with 4/2.5/1.5 mm<sup>2</sup> (AWG 12/14/16) terminal blocks (2004/2002/2001 Series).



Step-down jumper (2016-499) commons 16/10 mm<sup>2</sup> (16/8 AWG) terminal blocks (2016/2010 Series) with 10/6/4/2.5 mm<sup>2</sup> (8/10/12/14 AWG) terminal blocks (2010/2006/2004/2002 Series).



Stepping down via push-in type jumper bar: Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm² (6 AWG) and 10 mm² (8 AWG) and one cross-section size for 6/4/2.5 mm² (10/12/14 AWG). An example: from 16 mm² (6 AWG) to 6 mm² (10 AWG) (see illustration above) or from 10 mm² (8 AWG) to 4 mm² (12 AWG).



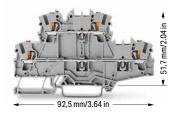
Stepping down via push-in type jumper bar: Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm² (6 AWG) to 6 mm² (10 AWG) or from 6 mm² (10 AWG) to 2.5 mm² (14 AWG) (see illustration above).



Note:

The total current of the outgoing circuits must not exceed the nominal current of the step-down jumper/push-in type jumper bar.

# Double-Deck Terminal Block TOPJOB® S; with Push-Button; with Vertical Conductor Entry 2.5 (4) mm²; 2202 Series



Double-deck terminal block; with push-button; Through/ through terminal block; with vertical conductor entry; without marker carrier; gray

	Item No.	Pack. Unit
○ L/L	2202-2701	50
○ N/L	2202-2702	50
○ L/N	2202-2703	50

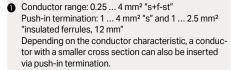
Double-deck terminal block; with push-button; Through/ through terminal block; with vertical conductor entry; without marker carrier; blue

N/N 2202-2704 **3** 50



Double-deck terminal block; with push-button; Ground conductor/through terminal block; with vertical conductor entry; without marker carrier; gray

	Item No.	Pack. Unit
○ GND/N	2202-2717	50
GND/L	2202-2727	50



800 V = rated voltage
 8 kV = rated impulse voltage
 3 = pollution degree

3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.

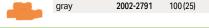
Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

Accessories;	2202	Series
--------------	------	--------

Appropriate marking systems: WMB/WMB Inline/Marking strips

nd and intermediate plate; 0.8 mm thick				
	orange	2002-2792	100 (25)	





Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> light gray 2002-171 200 (25)

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)

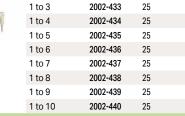


man

### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

	2-way	2002-402	25
111	3-way	2002-403	25
IIII	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



Double-deck vertical jumper; insulated; I<sub>N</sub> 24 A

light gray 2002-492 100 (25) orange 2002-492/000-012 100 (25)



Double-deck terminal block; with push-button; 4-conductor through terminal block; with vertical conductor entry; without marker carrier; Internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
$\bigcirc$ I	2202-2708	50

Double-deck terminal block; with push-button; 4-conductor through terminal block; with vertical conductor entry; without marker carrier; Internally commoned; violet conductor entry; blue

Onductor entry; blue

N 2202-2709 3 50



Double-deck terminal block; with push-button; 4-conductor ground terminal block; with vertical conductor entry; without marker carrier; Internally commoned; green-yellow

	Item No.	Pack. Unit
O GND	2202-2707	50



### Double-Deck Terminal Block TOPJOB® S

### 1 (1.5) mm<sup>2</sup>; 2000 Series

**Technical Data** 

0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 500 V/6 kV/3 2 600 V, 10 A 74

I<sub>N</sub> 13.5 A (16 A)

Terminal block width: 3.5 mm / 0.138 inch

 $\blacksquare$  9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup>

24 ... 16 AWG 600 V, 10 A 334

500 V/6 kV/3 2 I<sub>N</sub> 13.5 A (16 A)

Terminal block width: 3.5 mm / 0.138 inch

□2 9 ... 11 mm / 0.35 ... 0.43 inch

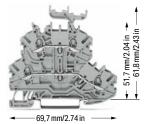
**Technical Data** 

24 ... 16 AWG 0.14 ... 1 (1.5) mm<sup>2</sup> 500 V/6 kV/3 2 600 V, 10 A 74

I<sub>N</sub> 13.5 A (16 A)

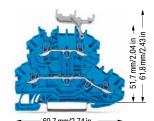
Terminal block width: 3.5 mm / 0.138 inch

9 ... 11 mm / 0.35 ... 0.43 inch



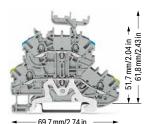
#### Double-deck terminal block; through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L	2000-2231	50
○ N/L	2000-2232	50
○ L/N	2000-2233	50



Double-deck terminal block; through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
● N/N	2000-2234 3	50



Double-deck terminal block; ground conductor/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
O PE/N	2000-2247	50
O PE/L	2000-2257	50

#### Double-deck terminal block; through/through terminal block; without marker carrier; gray

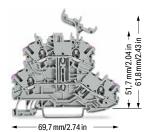
are any management of the gray		
○ L/L	2000-2201	50
○ N/L	2000-2202	50
○ L/N	2000-2203	50

Double-deck terminal block; through/through terminal

bioon, mandatimamor	00111011 2100	
● N/N	2000-2204 3	50

Double-deck terminal block; ground conductor/through terminal block; without marker carrier; gray

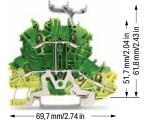
O PE/N	2000-2217	50
O PE/L	2000-2227	50



Double-deck terminal block; 4-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; gray

Pack. Unit 2000-2238 50

69 7 mm/2 74 in Double-deck terminal block; 4-conductor through terminal block; with marker carrier; internally commoned;



violet conductor entry; blue

	item No.	Pack. Unit
N	2000-2239 3	50

Double-deck terminal block; 4-conductor ground terminal block; with marker carrier; internally commoned; green-yellow

O DE	Item No.	Pack. Unit
O PE	2000-2237	50

Double-deck terminal block; 4-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; gray

○ L 2000-2208	50
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Double-deck terminal block; 4-conductor through terminal block; without marker carrier; internally commoned;

violet conductor entry; blue			
	N	2000-2209 🔞	50

Double-deck terminal block; 4-conductor ground terminal block; without marker carrier; internally commoned;

green-yellow		
O PE	2000-2207	50

#### **Technical Data**

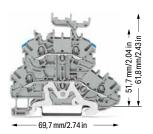
0.14 ... 1 (1.5) mm<sup>2</sup> 1 500 V/6 kV/3 2

24 ... 16 AWG 600 V, 10 A**R** 

I<sub>N</sub> 13.5 A (16 A)

Terminal block width: 3.5 mm / 0.138 inch

 $\blacksquare \blacksquare \blacksquare 9 \dots 11 \; \text{mm} \, / \, 0.35 \dots 0.43 \, \text{inch}$ 



# Double-deck terminal block; shield/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N	2000-2248	50
Shield/L	2000-2258	50

## Double-deck terminal block; shield/through terminal block; without marker carrier; gray

○ Shield/N	2000-2218	50	
○ Shield/L	2000-2228	50	

Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via oush-in termination.

800 V = rated voltage
 8 kV = rated impulse voltage
 3 = pollution degree

3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2000 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

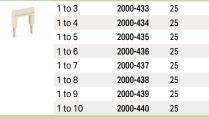
#### End and intermediate plate; 0.7 mm thick

orange	2000-2292	25
 gray	2000-2291	25

#### Push-in type jumper bar; insulated; $I_N$ 14 A; light gray



#### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray



Double-deck vertical jumper; insulated;  $I_{\text{N}}$  13.5 A

light gray 2000-492 100 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2000-115 100 (25)

THE

Test plug adapter; for 4 mm Ø test plug

gray **2009-174** 100 (25)

215-111

Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42  $\rm V$ 



Testing tap; for max. 2.5 mm<sup>2</sup>



gray

2009-182 100 (25)

50

#### Accessories; 2000 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



white 2

2009-113

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

nlain

793-3501

IIIIII

#### Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110

Double-deck marker carrier; pivoting



gray

2000-121

50 (25)

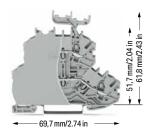
5



#### Double-deck terminal blocks:

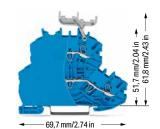
A double-deck marker carrier (2000-121) can be retrofitted to double-deck terminal blocks without a marker carrier.

# Double-Deck Terminal Block TOPJOB® S; with End Plate; 800 V 1 (1.5) mm²; 2000 Series



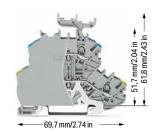
Double-deck terminal block; through/through terminal block; with end plate; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L	2000-2231/099-000	50
○ N/L	2000-2232/099-000	50
○ L/N	2000-2233/099-000	50



Double-deck terminal block; through/through terminal block; with end plate; with marker carrier; blue

	Item No.	Pack. Unit
● N/N	2000-2234/099-000 3	50



Double-deck terminal block; ground conductor/through terminal block; with end plate; with marker carrier; gray

	Item No.	Pack. Unit
O PE/N	2000-2247/099-000	50
O PE/L	2000-2257/099-000	50

Double-deck terminal block; through/through terminal block; with end plate; without marker carrier; gray

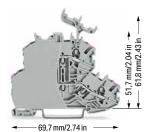
○ L/L	2000-2201/099-000	50
○ N/L	2000-2202/099-000	50
○ L/N	2000-2203/099-000	50

Double-deck terminal block; through/through terminal block; with end plate; without marker carrier; blue

N/N	2000-22	04/099-000	8	50	

Double-deck terminal block; ground conductor/through terminal block; with end plate; without marker carrier; gray

O PE/N	2000-2217/099-000	50
O PE/L	2000-2227/099-000	50

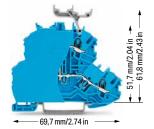


Double-deck terminal block; 4-conductor through terminal block; with end plate; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L	2000-2238/099-000	50

Double-deck terminal block; 4-conductor through terminal block; with end plate; without marker carrier; internally commoned; violet conductor entry; gray

	,, ,	
○ L	2000-2208/099-000	50

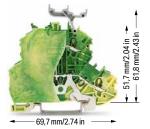


Double-deck terminal block; 4-conductor through terminal block; with end plate; with marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N	2000-2239/099-000 3	50

Double-deck terminal block; 4-conductor through terminal block; with end plate; without marker carrier; internally commoned; violet conductor entry; blue

N	2000-2209/099-000	5



Double-deck terminal block; 4-conductor ground terminal block; with end plate; with marker carrier; internally commoned; green-yellow

	Item No.	Pack. Unit
O PE	2000-2237/099-000	50

Double-deck terminal block; 4-conductor ground terminal block; with end plate; without marker carrier; internally commoned; green-yellow

○ PE	2000-2207/099-000	50
_		

#### **Technical Data**

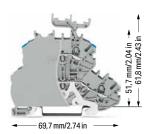
0.14 ... 1 (1.5) mm<sup>2</sup> 800 V/8 kV/3 2

24 ... 16 AWG 600 V, 10 A 👊

I<sub>N</sub> 13.5 A (16 A)

Terminal block width: 4.2 mm / 0.165 inch

 $\blacksquare \blacksquare \blacksquare 9 \dots 11 \; \text{mm} \, / \, 0.35 \dots 0.43 \, \text{inch}$ 



Double-deck terminal block; shield/through terminal block; with end plate; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N	2000-2248/099-000	50
○ Shield/L	2000-2258/099-000	50

Double-deck terminal block; shield/through terminal block; with end plate; without marker carrier; gray

○ Shield/N	2000-2218/099-000	50
○ Shield/L	2000-2228/099-000	50

Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Please observe the application notes: Jumpers, from page 165 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2000 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.7 mm thick orange 2000-2292 25 2000-2291 25 gray

#### Push-in type jumper bar; insulated; I<sub>N</sub> 18 A; light gray



#### Push-in type jumper bar; insulated; I<sub>N</sub> 18 A; light gray

	1 to 3	2001-433	25
T	1 to 4	2001-434	25
1. 7	1 to 5	2001-435	25
	1 to 6	2001-436	25
	1 to 7	2001-437	25
	1 to 8	2001-438	25
	1 to 9	2001-439	25
	1 to 10	2001-440	25

Double-deck vertical jumper; insulated; I<sub>N</sub> 13.5 A 2000-492 light gray 100 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

> vellow 2001-115 100 (25)



#### Test plug adapter; for 4 mm Ø test plug

2009-174 100 (25) gray

215-111

Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V



#### Testing tap; for max. 2.5 mm<sup>2</sup>



2009-182 100 (25)

#### Accessories; 2000 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB Inline; plain; 2,000 WMB markers (4 mm)/reel; 4 ... 4.2 mm stretchable



white

2009-114

WMB marking card; white; 10 strips with 10 markers/card;

4 ... 4.2 mm stretchable plain 793-4501

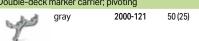
#### WMB marking card; plain; 10 strips with 10 markers/card; 4 ... 4.2 mm stretchable

0			
	yellow	793-4501/000-002	5
	red	793-4501/000-005	5
-	blue	793-4501/000-006	5
	gray	793-4501/000-007	5
	orange	793-4501/000-012	5
	light green	793-4501/000-017	5
	green	793-4501/000-023	5
	violet	793-4501/000-024	5

#### Marking strip; plain; 11 mm wide; 50 m reel

2009-110 white

#### Double-deck marker carrier; pivoting





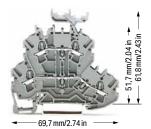
Double-deck terminal blocks:

A double-deck marker carrier (2000-121) can be retrofitted to double-deck terminal blocks without a marker carrier.

### Double-Deck Terminal Block TOPJOB® S

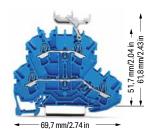
### 2.5 (4) mm<sup>2</sup>; 2002 Series

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
500 V/6 kV/3 2	600 V, 20 A <b>RL</b>	
I <sub>N</sub> 24 A (28 A)	600 V, 20 A®	
Terminal block width: 5.2 mm / 0.205 inch		
■ 10 12 mm / 0.39 0.47 inch		



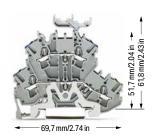
# Double-deck terminal block; through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L ⓑ	2002-2231 4	50
○ N/L ⑤	2002-2232 4	50
◯ L/N ©	2002-2233 4	50



# Double-deck terminal block; through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
N/N ⊕	2002-2234 3 4	50



Double-deck terminal block; ground conductor/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
O PE/N ®	2002-2247 4	50
○ PE/L ⓑ	2002-2257 4	50

## Double-deck terminal block; through/through terminal block; without marker carrier; gray

○ L/L &	2002-2201 4	50
○ N/L ⑤	2002-2202 4	50
○ L/N ®	2002-2203 4	50

Double-deck terminal block; through/through terminal block; without marker carrier; blue

N/N ⊕	2002-2204 3 4	50

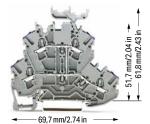
Double-deck terminal block; ground conductor/through terminal block; without marker carrier; gray

○ PE/N ⓑ	2002-2217 4	50
O PE/L 😡	2002-2227 4	50

 Other terminal blocks with the same profile:

 Diode
 2002-2211/1000-410
 Page 148

 LED
 2002-2221/1000-434
 Page 148

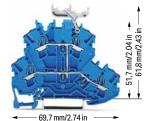


Double-deck terminal block; 4-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
∩ L ©	2002-2238	50

Double-deck terminal block; 4-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; gray

○ L 😡	2002-2208 4	50
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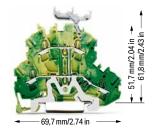


Double-deck terminal block; 4-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N €	2002-2239 🗿 🗗	50

Double-deck terminal block; 4-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; blue

N ₪	2002-2209 3 4	50
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Double-deck terminal block; 4-conductor ground terminal block; with marker carrier; internally commoned; green-yellow

	item No.	Pack. Unit
O PE ₪	2002-2237 4	50

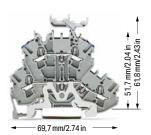
Double-deck terminal block; 4-conductor ground terminal block; without marker carrier; internally commoned; green-yellow

0	•		
	PF 😡	2002-2207	50

#### **Technical Data**

Terminal block width: 5.2 mm / 0.205 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch



## Double-deck terminal block; shield/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N	2002-2248	50
○ Shield/L	2002-2258	50

## Double-deck terminal block; shield/through terminal block; without marker carrier; gray

○ Shield/N	2002-2218	50	
Shield/L	2002-2228	50	

Conductor range: 0.25 ... 4 mm² "s+f-st";
 Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm²
 "insulated ferrules, 12 mm"

Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V; 20 A 18 A jumper

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick

orange	2002-2292	100 (25)
gray	2002-2291	100 (25)

#### Ex e/Ex i separator; orange; 3 mm thick



125.5 mm **209-192** 50 (25)

# Separator plate; oversized upper deck; snap-on type; 2 mm thick



orange	2002-2296	100 (25)
gray	2002-2295	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)

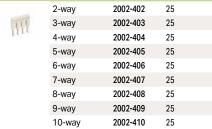


#### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)



#### Push-in type jumper bar; insulated; $I_{N}$ 25 A; light gray



### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray



1 to 3 2002-433 25 1 to 4 2002-434 25 1 to 5 2002-435 25 1 to 6 2002-436 25 2002-437 25 1 to 7 1 to 8 2002-438 25 2002-439 1 to 9 25 1 to 10 2002-440 25

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Double-deck vertical jumper; insulated; $I_{N}$ 24 A

light gray 2002-492 100 (25) orange 2002-492/000-012 100 (25)

#### Double-deck marker carrier; pivoting



gray 2002-121

50 (25)



Double-deck terminal block assembly



Both ground and shield conductor terminal blocks have a contact foot in the bottom level, automatically establishing direct contact to the DIN-rail or busbar.

The flexible double-deck marker carrier, which is placed above the wiring level, can be pushed aside during wiring. The carrier has two staggered levels for WMB markers that perfectly align with the terminal block decks. With a terminal block width of just 5.2 mm, an effective width of just 2.6 mm for terminal blocks of same or different potentials can be realized for conductors ranging 0.25 mm² ... 4 mm² (22 ... 12 AWG).

Shielded control cables are becoming an increasingly common solution to external signal interference.
Front-entry shield conductor terminal blocks are ideal for connecting braided cables. Like front-entry ground conductor terminal blocks, they are equipped with a grounding foot for direct electrical connection to the rail, however they differ significantly by their white insulated housing. Shield conductor terminal blocks for front-entry wiring can be directly mounted beside signal-conductor terminal blocks, providing excellent deflection of interfering signals.



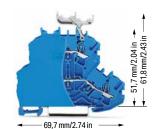
# Double-Deck Terminal Block TOPJOB® S; with End Plate; 800 V 2.5 (4) mm²; 2002 Series

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
	600 V, 20 A <b>RA</b>	
I <sub>N</sub> 24 A	600 V, 20 A®	
Terminal block width: 6.2 mm / 0.244 inch		
1012 mm / 0.39.	0.47 inch	



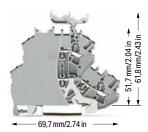
# Double-deck terminal block; through/through terminal block; with end plate; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L	2002-2231/099-000	50
○ N/L	2002-2232/099-000	50
○ L/N	2002-2233/099-000	50



Double-deck terminal block; through/through terminal block; with end plate; with marker carrier; blue

	Item No.	Pack. Unit
● N/N	2002-2234/099-000 3	50



Double-deck terminal block; ground conductor/through terminal block; with end plate; with marker carrier; gray

	Item No.	Pack. Unit
O PE/N	2002-2247/099-000	50
O PE/L	2002-2257/099-000	50

Double-deck terminal block; through/through terminal block; with end plate; without marker carrier; gray

○ L/L	2002-2201/099-000	50
○ N/L	2002-2202/099-000	50
○ L/N	2002-2203/099-000	50

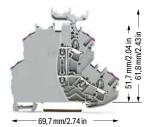
Other terminal blocks with the same profile:			
Diode	2002-2211/1000-410	Page 148	
LED	2002-2221/1000-434	Page 148	

Double-deck terminal block; through/through terminal block; with end plate; without marker carrier; blue

block, with end plate, w	vitilout marker carrier,	Diue
● N/N	2002-2204/099-000 3	50

Double-deck terminal block; ground conductor/through terminal block; with end plate; without marker carrier; gray.

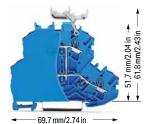
O PE/N	2002-2217/099-000	50
O PE/L	2002-2227/099-000	50



Double-deck terminal block; 4-conductor through terminal block; with end plate; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L	2002-2238/099-000	50

Double-deck terminal block; 4-conductor through terminal block; with end plate; without marker carrier; internally commoned; violet conductor entry; gray

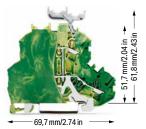


Double-deck terminal block; 4-conductor through terminal block; with end plate; with marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N	2002-2239/099-000 3	50

Double-deck terminal block; 4-conductor through terminal block; with end plate; without marker carrier; internally commoned; violet conductor entry; blue

N	2002-2209/099-000	5



Double-deck terminal block; 4-conductor ground terminal block; with end plate; with marker carrier; internally commoned; green-yellow

	Item No.	Pack. Unit
O PE	2002-2237/099-000	50

Double-deck terminal block; 4-conductor ground terminal block; with end plate; without marker carrier; internally commoned: green-yellow

PE 2002-2207/099-000 50		 J	, -			
	O PE			2002-2207/099-000	50	

#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 800 V/8 kV/3 2 600 V, 20 A 👊 I<sub>N</sub> 24 A 600 V, 20 A@

Terminal block width: 6.2 mm / 0.244 inch



Double-deck terminal block; shield/through terminal block; with end plate; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N	2002-2248/099-000	50
Shield/L	2002-2258/099-000	50

Double-deck terminal block; shield/through terminal block; with end plate; without marker carrier; gray

○ Shield/N	2002-2218/099-000	50
○ Shield/L	2002-2228/099-000	50

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.

Please observe the application notes: Jumpers, from page 165 Testing accessories, page 159 Marking, from page 246

A protective warning marker and an insulation stop must be applied individually. Due to the 6.2 mm width of double-deck terminal blocks with end plates, 2004 Series Push-In Type Jumper Bars must be used.

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/Marking strips

#### End and intermediate plate; 0.8 mm thick

orange	2002-2292	100 (25)
gray	2002-2291	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)



Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

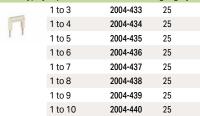
2002-172 200 (25) dark grav



#### Push-in type jumper bar; insulated; $I_N$ 32 A; light gray

			9 9)
	2-way	2004-402	25
III	3-way	2004-403	25
IIII	4-way	2004-404	25
	5-way	2004-405	25
	6-way	2004-406	25
	7-way	2004-407	25
	8-way	2004-408	25
	9-way	2004-409	25
	10-way	2004-410	25

### Push-in type jumper bar; insulated; I<sub>N</sub> 32 A; light gray



#### insulated; I<sub>N</sub> 2 Double-deck vertical jumper;

light gray 2002-492 100 (25) 2002-492/000-012 orange 100 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)



#### Accessories; 2002 Series

Appropriate marking systems: WMB/Marking strips

#### Test plug adapter; for 4 mm Ø test plug

2009-174 100 (25)



215-111



#### WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501 plain

#### WMB marking card; plain; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

	yellow	793-5501/000-002	5
100	red	793-5501/000-005	5
	blue	793-5501/000-006	5
	gray	793-5501/000-007	5
	orange	793-5501/000-012	5
	light green	793-5501/000-017	5
	green	793-5501/000-023	5
	violet	793-5501/000-024	5
	1: 44 :	1 50 1	

2009-110 white

#### Double-deck marker carrier; pivoting



2002-121 50 (25)



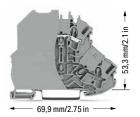
# Double-Deck Terminal Block TOPJOB® S

### 2.5 (4) mm<sup>2</sup>; 2002 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 1000 VAC/DC / 1500 VDC / 12 kV / 3 2 I<sub>N</sub> 24 A Terminal block width: 7.2 mm / 0.283 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 1000 VAC/DC / 1500 VDC / 12 kV / 3 2 I<sub>N</sub> 24 A Terminal block width: 7.2 mm / 0.283 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



Double-deck terminal block; contact insert only on upper deck; gray separator plate; oversized; gray

	Item No.	Pack. Unit
○ L	2002-2201/097-000	50



Double-deck terminal block; contact insert only on upper deck; orange separator plate; oversized; gray Item No. Pack. Unit 2002-2201/098-000

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 1000 VAC/DC = rated voltage 1500 VDC 12 kV = rated impulse voltage 3 = pollution degree

> Please observe the application notes: Testing accessories, page 159 Marking, from page 246

A protective warning marker and an insulation stop must be applied individually.

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/Marking strips

light gray 2002-171 200 (25) mm

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)

00000

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

> yellow 2002-115 100 (25)

TOTTO

Test plug adapter; for 4 mm Ø test plug 2009-174 100 (25) arav

Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V 215-111 50



Testing tap; for max. 2.5 mm<sup>2</sup>

2009-182 100 (25)

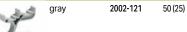
WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable plain

793-5501

WMB marking card; plain; 10 strips with 10 markers/card;
5 5.2 mm stretchable

5.2 mm st	retchable			
	yellow	793-5501/000-	002	5
	red	793-5501/000-	005	5
	blue	793-5501/000-	006	5
	gray	793-5501/000-	007	5
	orange	793-5501/000-	012	5
	light green	793-5501/000-	017	5
	green	793-5501/000-	023	5
	violet	793-5501/000-	024	5
Marking strip;	plain; 11 mm wid	de; 50 m reel		
	white	2009-110	1	

#### Double-deck marker carrier; pivoting

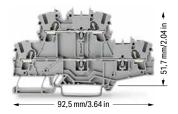




### Double-Deck Terminal Block TOPJOB® S; with Vertical Conductor Entry 2.5 (4) mm<sup>2</sup>; 2002 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 800 V/8 kV/3 2 I<sub>N</sub> 24 A (28 A) Terminal block width: 5.2 mm / 0.205 inch **□** 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 800 V/8 kV/3 2 I<sub>N</sub> 24 A (28 A) Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



Double-deck terminal block; through/through terminal block; with vertical conductor entry; without marker carrier; gray

	Item No.	Pack. Unit
○ L/L ⓑ	2002-2701 4	50
○ N/L ⑤	2002-2702 4	50
○ L/N ⓑ	2002-2703 4	50

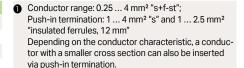
Double-deck terminal block: through/through terminal

block; with vertical co- carrier; blue	nductor entry; without	marker
N/N ₪	2002-2704 3 4	50



Double-deck terminal block; ground conductor/through terminal block; with vertical conductor entry; without marker carrier; gray

	Item No.	Pack. Unit
○ PE/N ®	2002-2717 4	50
O PE/L &	2002-2727	50



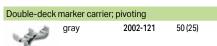
- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Exiapplications.
- Terminal blocks with an Ex mark are suitable for Ex e II 440 V; 20 A 18 A jumper

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 0.8 mm thick					
	orange	2002-2792	100 (25)		
	gray	2002-2791	100 (25)		





Insulation stop; 5 pcs/strip; 0.75 1 mm <sup>2</sup>									
			d	ark gray	2002-	172	:	200 (25)	
		00000							



	10-way	2002-410	25	
Push-in type	jumper bar; ins	sulated; I <sub>N</sub> 25 A;	light gray	
	1 to 3	2002-433	25	
	1 to 4	2002-434	25	
1 1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Double-deck vertical jumper; insulated; I <sub>N</sub> 24 A				
	light gray	2002-492	100 (25)	
	orange	2002-492/00	0-012	



Double-deck terminal block; 4-conductor through terminal block; with vertical conductor entry; without marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
∩ L &	2002-2708	50

Double-deck terminal block; 4-conductor through terminal block; with vertical conductor entry; without marker carrier; internally commoned; violet conductor

entry; blue			
N €	2002-2709 🗿 🗗	50	



Double-deck terminal block; 4-conductor ground terminal block; with vertical conductor entry; without marker carrier; internally commoned; green-yellow

	item No.	Pack. Unit
O PE	2002-2707	50
O PE ©	2002-2707/999-950 4	50

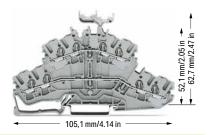


100 (25)

# 4-Conductor Double-Deck Terminal Block TOPJOB® S

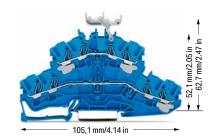
### 2.5 (4) mm<sup>2</sup>; 2002 Series

	Technical Data		
	0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
	800 V/8 kV/3 2	600 V, 20 A 🗫	
	I <sub>N</sub> 24 A (28 A)	600 V, 20 A®	
Terminal block width: 5.2 mm / 0.205 inch			
	■ 10 12 mm / 0.39 0.47 inch		



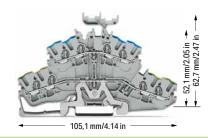
4-conductor double-deck terminal block; through/ through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L &	2002-2431 4	50
○ N/L ⑤	2002-2432 4	50
◯ L/N ©	2002-2433 4	50



4-conductor double-deck terminal block; through/ through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
N/N ⑤	2002-2434 3 4	50



4-conductor double-deck terminal block; ground conductor/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ PE/N ®	2002-2447 4	50
O PE/L ®	2002-2457 4	50

4-conductor double-deck terminal block; through/ through terminal block; without marker carrier; gray

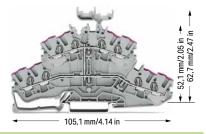
C L/L €	2002-2401 4	50
○ N/L ⑤	2002-2402 4	50
L/N	2002-2403 4	50

4-conductor double-deck terminal block; through/ through terminal block; without marker carrier; blue

N/N €	2002-2404 3 4	50

4-conductor double-deck terminal block; ground conductor/through terminal block; without marker carrier; gray

○ PE/N ⓑ	2002-2417 4	50
O PE/L ©	2002-2427 4	50

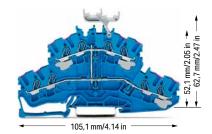


4-conductor double-deck terminal block; 8-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L ©	2002-2438 4	50

4-conductor double-deck terminal block; 8-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; gray

		,
○ L ©	2002-2408 4	50



4-conductor double-deck terminal block; 8-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
O N ₪	2002-2439 3 4	50

4-conductor double-deck terminal block; 8-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; blue

N 🚱	2002-2409 3 4	50



4-conductor double-deck terminal block; 8-conductor ground terminal block; with marker carrier; internally commoned; green-yellow

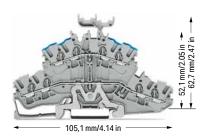
	Item No.	Pack. Unit
O PE €	2002-2437 4	50

4-conductor double-deck terminal block; 8-conductor ground terminal block; without marker carrier; internally commoned; green-yellow

O PE €	2002-2407 4	50
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#### **Technical Data**

Terminal block width: 5.2 mm / 0.205 inch



4-conductor double-deck terminal block; shield/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N	2002-2448	50
○ Shield/L	2002-2458	50

4-conductor double-deck terminal block; shield/through terminal block; without marker carrier; gray

○ Shield/N	2002-2418	50
○ Shield/L	2002-2428	50

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
   550 V; 21 A
   17 A jumper
   16 A staggered jumper

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories: 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick

orange	2002-2492	100 (25)
gray	2002-2491	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)



Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)



#### Push-in type jumper bar; insulated; $I_{N}$ 25 A; light gray

	2-way	2002-402	25
UV	3-way	2002-403	25
III	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25

#### Push-in type jumper bar; insulated; $I_N$ 25 A; light gray

	1 to 3	2002-433	25
	1 to 4	2002-434	25
1 1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

# Double-deck vertical jumper; insulated; I<sub>N</sub> 24 A light gray 2002-492 100 (25)

orange

100 (25)

2002-492/000-012

Adjacent jumper for continuous commoning; insulated;  $I_{\text{N}}$  25 A, light gray

2-way **2002-400** 25

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

# Adjacent jumper for continuous commoning; insulated; $I_{\rm N}\,25$ A; $1\,to\,3$

	light gray	2002-423 25	
FI	red	2002-423/000-005	25
1-1	blue	2002-423/000-006	25

# Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)



#### Test plug adapter; for 4 mm Ø test plug

gray 2009-174 100 (25)

Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V  $\,$ 

215-111

50



#### Testing tap; for max. 2.5 mm<sup>2</sup>

gray 2009-182 100 (25)

# WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white 2009-115 1

#### Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

plain **793-5501** 5

#### Double-deck marker carrier; pivoting

gray 2002-121 50 (25)

# Group marker carrier; snap-on type for jumper slot; 5 mm wide

gray 2009-191 50 (25)



Double-deck terminal block assembly



### Double-Deck Terminal Block TOPJOB® S

### 2.5 (4) mm<sup>2</sup>; 2002 Series

**Technical Data** 

I<sub>N</sub> 24 A (28 A)

Terminal block width: 5.2 mm / 0.205 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch

I<sub>N</sub> 24 A (28 A)

Terminal block width: 5.2 mm / 0.205 inch

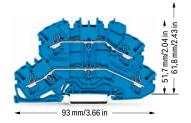
10 ... 12 mm / 0.39 ... 0.47 inch



Double-deck terminal block; through/through terminal block; same profile as double-deck disconnect terminal block; without marker carrier; gray

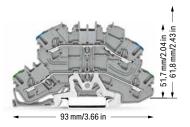
	Item No.	Pack. Unit
○ L/L ®	2002-2601 4	50
○ N/L ⑤	2002-2602 4	50
○ L/N ©	2002-2603 4	50

Other terminal blocks with the same profile:			
Carrier	Page 64		
Disconnect	2002-2671	Page 64	
Fuse	2002-2611	Page 65	



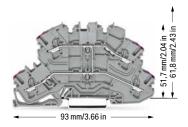
Double-deck terminal block; through/through terminal block; same profile as double-deck disconnect terminal block; without marker carrier; blue

	Item No.	Pack. Unit
N/N ⑤	2002-2604 3 4	50



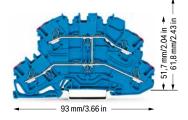
Double-deck terminal block; ground conductor/through terminal block; same profile as double-deck disconnect terminal block; without marker carrier; gray

	item No.	Pack. Unit
○ PE/N ©	2002-2647 4	50
O PE/L ®	2002-2657 4	50



Double-deck terminal block; 4-conductor through terminal block; same profile as double-deck disconnect terminal block; without marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
O L®	2002-2608 4	50



Double-deck terminal block; 4-conductor through terminal block; same profile as double-deck disconnect terminal block; without marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N ₪	2002-2609 3 4	50



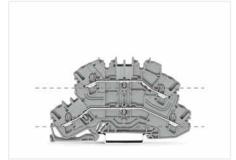
Double-deck terminal block; 4-conductor ground terminal block; same profile as double-deck disconnect terminal block; without marker carrier; internally commoned; green-yellow

O DE 6	item No.	Pack. Unit
O PE ₪	2002-2607 4	50

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex ec IIc applications.

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Through terminal blocks (2002-2601) feature two independent current bars on both lower and upper deck, sharing the same profile as disconnect terminal blocks. These terminal blocks can be commoned via double-deck vertical jumpers (2002-492).



4-conductor through terminal blocks (2002-2609) with internal commoning can be immediately identified via violet conductor entry.

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 1 mm thick



orange 2002-2692 100 (25) gray 2002-2691 100 (25)

#### Double-deck marker carrier; pivoting



y 2002-121

50 (25)

# Double-deck disconnect terminal blocks with a pivoting knife disconnect (2002-2671) can be used as through terminal blocks on the lower deck and as disconnect terminal blocks on the upper deck.

Besides disconnection and measurement, double-deck carrier terminal blocks (2002-2667) also provide ground conductor functionality.



Carrier terminal blocks (2002-2661) have the same design as disconnect terminal blocks.

- The following components may be used:
- Disconnect plugs (a: 2002-401)
- Pluggable diode (b: 2002-800/1000-411)
- LED module (2002-800/1000-541, no illustration)
- Fuse plug (c: 2004-911)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)



### Insulation stop; 5 pcs/strip; 0.75 ... 1 $\text{mm}^2$

dark gray 2002-172 200 (25)



#### Push-in type jumper bar; insulated; $I_{\mbox{\scriptsize N}}$ 25 A; light gray



2002-402 25 2-way 25 3-way 2002-403 4-way 2002-404 25 25 5-way 2002-405 2002-406 25 6-way 2002-407 25 7-way 2002-408 8-way 25 9-way 2002-409 25 10-way 2002-410 25

#### Push-in type jumper bar; insulated; $I_N$ 25 A; light gray



1 to 3 2002-433 25 25 1 to 4 2002-434 1 to 5 2002-435 25 1 to 6 2002-436 25 2002-437 25 1 to 7 1 to 8 2002-438 25 1 to 9 2002-439 25 1 to 10 2002-440 25

#### Double-deck vertical jumper; insulated; I<sub>N</sub> 24 A

light gray 2002-492 100 (25) orange 2002-492/000-012 100 (25)

Adjacent jumper for continuous commoning; insulated;  $\ensuremath{I_{\text{N}}}\xspace 25\mbox{ A, light gray}$ 

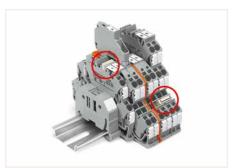
2-way **2002-400** 25



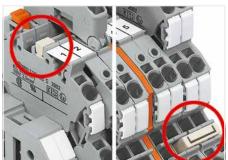
Double-deck fuse disconnect terminal blocks with a pivoting fuse holder (2002-2611, gray) are compatible with disconnect, carrier, through and ground conductor terminal blocks. The fuse holder is also available with a blown fuse LED indicator (e.g., 2002-2611/1000-541 for 12-30 V).



An end plate for fuse disconnect terminal blocks (shown in orange, 2002-1092) is used for additional protection, preventing the fuse holder from being opened. The fuse cannot be replaced until disconnecting the fuse holder from the power supply.



The same profile allows for commoning with double-deck terminal blocks (upper deck) and with triple-deck terminal blocks (lower deck).



Left picture – Vertical jumper (2002-492) Right picture – Push-in type jumper bar (2002 Series)



# Double-Deck Disconnect Terminal Block, Double-Deck Carrier Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series

□ 10 ... 12 mm / 0.39 ... 0.47 inch

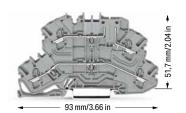
Terminal block width: 5.2 mm / 0.205 inch 10 ... 12 mm / 0.39 ... 0.47 inch



Double-deck disconnect terminal block; with a pivoting	
knife disconnect; gray	

	Item No.	Pack. Unit
○ L/L ®	2002-2671 3	50
N/L	2002-2672 3	50

Other terminal blocks with the same profile:			
Through	2002-2601	Page 62	
Fuse	2002-2611	Page 65	



Double-deck carrier terminal block; upper-deck base;
gray

	Item No.	Pack. Unit
○ L/L &	2002-2661 3	50
○ N/L ⑤	2002-2662 3	50



Double-deck discon	nect terminal block; with a pivoting
knife disconnect; gra	У

	Item No.	Pack. Unit
○ Shield/L ®	2002-2678 3	50



Double-deck carrier terminal block; upper-deck base; gray

9.47		
	Item No.	Pack. Unit
○ PE/L ©	2002-2667 3	50

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

400 V = rated voltage6 kV = rated impulse voltage3 = pollution degree

Terminal blocks with an Ex mark are suitable for Ex ec IIc applications.

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick				
	orange	2002-2692	100 (25)	
	gray	2002-2691	100 (25)	

# Double-deck marker carrier; pivoting gray 2002-121 50 (25)

Insulation stop; 5 pcs/strip; 0.25 0.5 mm <sup>2</sup>			l <sup>2</sup>
	light gray	2002-171	200 (25)

## Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)

ush-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
	2-way	2002-402	25	
TIV	3-way	2002-403	25	
HIL	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	
rush-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				

	,			
Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
	1 to 3	2002-433	25	
F	1 to 4	2002-434	25	
1 1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Poublo-dock vertical jumper: inculated: L. 24 A				

Double-deck vertical jumper, insulated, in 24 A				
	light gray	2002-492	100 (25)	
	orange	2002-492/00	0-012	
			100 (25)	

Adjacent jumper for continuous commoning; insulated;  $I_N$  25 A, light gray 2-way 2002-400 25





### Double-Deck Fuse Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series

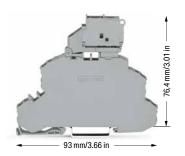
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 250 V/6 kV/3 2

22 ... 12 AWG 300 V, 6.3 A 👊

I<sub>N</sub> 6.3 A

Terminal block width: 6.2 mm / 0.244 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch



Double-deck fuse disconnect terminal block with a pivoting fuse holder; through/fuse terminal block; for 5 x 20 mm glass cartridge fuse; without blown fuse indication; gray

Electrical ratings are given by the fuse.

Other terminal blocks with the same profile:

	Item No.	Pack. Unit
○ L/L ⓑ	2002-2611 3	25
○ N/L ⑤	2002-2612 3	25

2002-2601

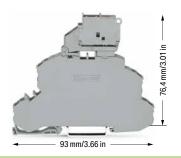
**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 6.3 A 74 250 V/6 kV/3 2

I<sub>N</sub> 6.3 A

Terminal block width: 6.2 mm / 0.244 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



Double-deck fuse disconnect terminal block with a pivoting fuse holder; through/fuse terminal block; for 5 x 20 mm glass cartridge fuse; with blown fuse indication by LED; gray

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED

	Item No.	Pack. Unit
○ 12 30 V ⓑ	2002-2611/1000-541	25
◯ 30 65 V 🗟	2002-2611/1000-542 3	25
○ 230 V ⓑ	2002-2611/1000-836	25
○ 120 V  ⑤	2002-2611/1000-867	25

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

250 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

Terminal blocks with an Ex mark are suitable for Ex ec IIc applications.

Please observe the application notes: Jumpers, from page 165 Marking, from page 246

A protective warning marker and an insulation stop must be applied individually. Due to the 6.2 mm width of double-deck terminal blocks with end plates, 2004 Series Push-In Type Jumper Bars must be used.

Approvals and corresponding ratings, visit www.wago.com



Additionally, an end plate for fuse terminal blocks (e.g., 2002-1092, orange) must be used at the end of an assembly or if there is no adjacent fuse terminal block.

### Accessories; 2002 Series

Appropriate marking systems: WMB/Marking strips

Page 62

Through

End and intermediate plate; 1 mm thick 2002-2692 100 (25) 2002-2691 100 (25) gray

End plate for fuse terminal blocks; 2 mm thick

100 (25) orange 2002-1092 2002-1091 100 (25)

Push-in type jumper bar; insulated; I<sub>N</sub> 32 A; light gray 2004-402 25 2-way

2004-403 25 3-way 4-way 2004-404 25 2004-405 25 5-way 6-way 2004-406 25 7-way 2004-407 25 2004-408 25 8-way 9-way 2004-409 25

2004-410 25 10-way ated; I<sub>N</sub> 32 A; light gray Push-in type jumper bar; insu 1 to 3 2004-433 25 2004-434 25 1 to 4

1 to 5 2004-435 25 2004-436 25 1 to 6 1 to 7 2004-437 25 1 to 8 2004-438 25 1 to 9 2004-439 25 1 to 10 2004-440 25

Double-deck vertical jumper; insulated; I<sub>N</sub> 24 A

2002-492 100 (25) light gray 2002-492/000-012 orange 100 (25) Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> light gray 2002-171 200 (25)

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

> yellow 2002-115 100 (25)

> > 210-137

2009-110

THEFT

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V 210-136 50 (1) red

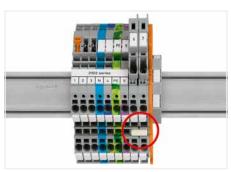
Test plug; with 500 mm cable; 2.3 mm Ø; max. 42 V

50 (1) Marking strip; plain; 11 mm wide; 50 m reel

white

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501



An intermediate plate is supplied with all 6.2 mm wide fused disconnect terminal blocks. Due to the 6.2 mm width of fuse disconnect terminal

blocks with a pivoting fuse holder, 2004 Series Push-In Type Jumper Bars must be used.

### Triple-Deck Terminal Block TOPJOB® S

## 2.5 (4) mm<sup>2</sup>; 2002 Series

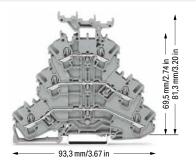
Technical Data

0.25 ... 2.5 (4) mm<sup>2</sup> 1 500 V/6 kV/3 2 I<sub>N</sub> 24 A (28 A)

22 ... 12 AWG 600 V, 20 A A 6

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch



Triple-deck terminal block; through/through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L/L ®	2002-3231 4	50
◯ L/L/N ©	2002-3233 4	50

Triple-deck terminal block; through/through/through terminal block; without marker carrier; gray

◯ L/L/L ©	2002-3201 4	50
○ L/L/N ⓑ	2002-3203 4	50

Other terminal blocks with the same profile:				
Diode	2002-3211/1000-410	Page 150		
LED 2002-3221/1000-434 Page				

Technical Data

Terminal block width: 5.2 mm / 0.205 inch
10 ... 12 mm / 0.39 ... 0.47 inch

Triple-deck terminal block; through/through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
N/N/N ⊕	2002-3234 3 4	50

93,3 mm/3.67 in

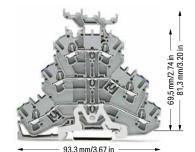
Triple-deck terminal block; through/through/through terminal block; without marker carrier; blue

1	N/N/N ©	2002-320	400	50
)	IN/IN/IN @	2002-320	4 6 6	50

Technical Data

0.25 ... 2.5 (4) mm<sup>2</sup> 1 22 ... 12 AWG 500 V/6 kV/3 2 600 V, 20 A 31 I<sub>N</sub> 24 A (28 A) 600 V, 20 A 6

Terminal block width: 5.2 mm / 0.205 inch
10 ... 12 mm / 0.39 ... 0.47 inch

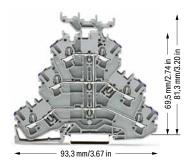


Triple-deck terminal block; ground conductor/through/ through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
O PE/N/L ®	2002-3247 4	50
O PE/L/L &	2002-3257 4	50

Triple-deck terminal block; ground conductor/through/ through terminal block; without marker carrier; gray

	,	
○ PE/N/L ®	2002-3217 4	50
○ PE/L/L ®	2002-3227 🐠	50

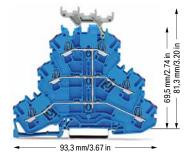


Triple-deck terminal block; 6-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
O L ©	2002-3238 4	50

Triple-deck terminal block; 6-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; gray

2002-3208	$\bigcirc$	L ©	2002-3208 4	50
-----------	------------	-----	-------------	----

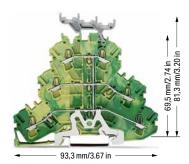


Triple-deck terminal block; 6-conductor through terminal block; with marker carrier; internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
O N ₪	2002-3239 3 4	50

Triple-deck terminal block; 6-conductor through terminal block; without marker carrier; internally commoned; violet conductor entry; blue

N ®	2002-3209 3 4	50



Triple-deck terminal block; 6-conductor ground terminal block; with marker carrier; internally commoned; green-yellow

	Item No.	Pack. Unit
O PE ⊕	2002-3237 4	50

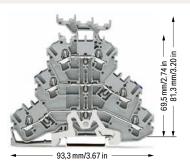
Triple-deck terminal block; 6-conductor ground terminal block; without marker carrier; internally commoned; green-yellow

9.00 }001.				
PF ©	2002-3207 <b>4</b>	50		

#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 500 V/6 kV/3 2 600 V, 20 A 👊 I<sub>N</sub> 24 A (28 A) 600 V, 20 A@

Terminal block width: 5.2 mm / 0.205 inch



Triple-deck terminal block; shield/through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ Shield/N/L	2002-3248	50
○ Shield/L/L	2002-3258	50

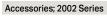
#### Triple-deck terminal block; shield/through/through terminal block; without marker carrier; gray

○ Shield/N/L	2002-3218	50
○ Shield/L/L	2002-3228	50

- Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with a blue insulated housing are suitable for Ex i applications.
- Terminal blocks with an Ex mark are suitable for Ex e II applications. 440 V, 19 A 17 A jumper

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick







Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> 2002-171 light gray

200 (25)

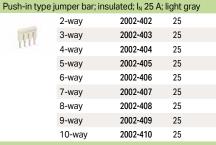
Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)



men)





#### Push-in type jumper bar; insul ated: I., 25 At light gray

isit-iii type jumper bar, iiisulateu, i <sub>N</sub> 20 A, light gray			
	1 to 3	2002-433	25
F	1 to 4	2002-434	25
1 1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25
ouble-deck vertical jumper; insulated; I <sub>N</sub> 24 A			

#### Do

light gray 2002-492 100 (25) 2002-492/000-012 orange 100 (25)

Triple-deck vertical jumper; insulated; I<sub>N</sub> 24 A

2002-493 100 (25) light gray



Triple-deck vertical jumpers (2002-493) common the three levels of triple-deck terminal blocks.

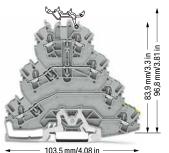


Combination of multilevel terminal blocks



# Quadruple-Deck Rail-Mount Terminal Block for Wiring of Electric Motors TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series





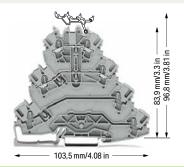
Quadruple-deck rail-mount terminal block; electric motor wiring rail-mount terminal block; without marker carrier; gray

		item No.		Pack. Unit
() L	_1 - L2 - L3 - PE ⓑ	2002-4127	3	25

Quadruple-deck rail-mount terminal block; electric motor wiring rail-mount terminal block; with marker carrier; gray

○ L1 - L2 - L3 - PE ⓑ 2002-4157 **③** 

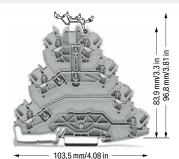
Terminal block width: 5.2 mm / 0.205 inch 200 inch 10 ... 12 mm / 0.39 ... 0.47 inch



Quadruple-deck rail-mount terminal block; electric motor wiring rail-mount terminal block; without marker carrier; gray

	Item No.	Pack. Unit
○ L1 - L2 ⓑ	2002-4111 3	25

Quadruple-deck rail-mount terminal block; electric motor wiring rail-mount terminal block; with marker carrier; gray



Quadruple-deck rail-mount terminal block; electric motor wiring rail-mount terminal block; without marker carrier; gray

	Item No.	Pack. Unit
O L1 - L2 - L3 &	2002-4101 3	25

Quadruple-deck rail-mount terminal block; electric motor wiring rail-mount terminal block; with marker carrier; gray

Wiring rail-mount terminal block; with marker carrier; gra

○ L1 - L2 - L3 ② 2002-4131 ③ 25

#### Accessories; 2002 Series

men)

100 (25)

100 (25)

Appropriate marking systems: WMB/WMB Inline/Marking strips



Insulation stop; 5 pcs/strip; 0.25 0.5 mm <sup>2</sup>				
	light gray	2002-171	200 (25)	

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm²

dark gray 2002-172 200 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)



Lockout cap; for conductor entry and operating slot				
	orange	2002-192	25	
17	gray	2002-191	25	
	blue	2002-194	25	
Donale to Annual tomas and beautiful of Autiful and a				

	rusii-iii type j	umper bar, msur	ateu, in 25 A, ii	grit gray
		2-way	2002-402	25
1111	3-way	2002-403	25	
	IIII	4-way	2002-404	25
	5-way	2002-405	25	
	6-way	2002-406	25	
		7-way	2002-407	25
		8-way	2002-408	25
		9-way	2002-409	25

Adjacent jumper for continuous commoning; insulated;  $\ensuremath{I_{\text{N}}}$  25 A, light gray

10-way

2-way 2002-415 25

Pusn-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
	1 to 3	2002-433	25	
	1 to 4	2002-434	25	
1 1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Delta jumper: insulated: l., = l., terminal block: light gray				

Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray

1-2 3-4 5-6 **2002-406/020-000** 2

Star point jumper; insulated;  $I_N$  =  $I_N$  terminal block; light gray

1-3-5 **2002-405/011-000** 25

# Staggered jumper: insulated: I<sub>N</sub> 25 A: light gray

Staggered Jumper, insulated, in 25 A, light gray				
THE RESERVE	2-way	2002-472	25	
177777999	3-way	2002-473	25	
Attenna	4-way	2002-474	25	
	5-way	2002-475	25	
	6-way	2002-476	25	
	7-way	2002-477	25	
	8-way	2002-478	25	
	9-way	2002-479	25	
	10-way	2002-480	25	
	11-way	2002-481	25	
	12-way	2002-482	25	

Adjacent jumper for continuous commoning; insulated;  $I_{\text{N}}$  25 A, light gray

5-way **2002-400** 25

Adjacent jumper for continuous commoning; insulated; I., 25 A: 1 to 3

	light gray	2002-423	25	
FI	red	2002-423/000-	005	25
1-1	blue	2002-423/000-	006	25
Push-in type w	ire iumner incu	lated: 1.5 mm <sup>2</sup>	2 conduct	tor

Pusn-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conducto cross-section;  $I_N$  18 A

L = 60 mm 2009-412 100 (10)

	L = 00 IIIIII	2003-412	100 (10)	
	L = 110 mm	2009-414	100 (10)	
4	L = 250 mm	2009-416	100 (10)	

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel;  $5 \dots 5.2$  mm stretchable

white 2009-115 1

Marking strip; plain; 11 mm wide; 50 m reel
white 2009-110 1

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

plain **793-5501** 5

Triple-deck marker carrier; pivoting
gray 2002-131 50 (25)





2002-410

25

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- Terminal blocks with an Ex mark are suitable for Ex e II applications.
  440 V, 19 A
  17 A jumper

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Creating spacer housings for electric motor wiring railmount terminal blocks via lockout caps (2002-192) for conductor entry and operating slot.



In addition to rail-mount terminal blocks for electric motor wiring, special versions are also available.

- Version without ground contact and only two potentials:
   These terminal blocks were custom designed to support additional functions, such as engine brakes or temperature sensors. Sharing a common profile, this terminal block version can be put next to the appropriate electric motor wiring terminal block without using intermediate plates. That makes the rail assembly easier to understand and wire. This also prevents wiring errors as no conductor entry is unused.
- Version without ground contact and with three potentials:
   Clearly designated clamping units are the primary advantage to this terminal block design. When using devices with protective insulation, for example, there are no open ground clamping units that could create confusion.

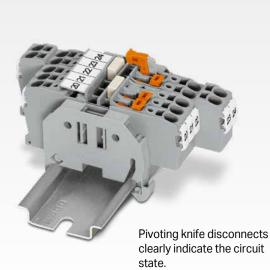


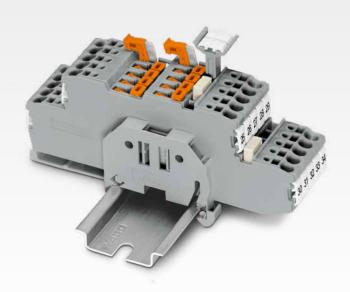
Testing with voltage tester.



Marking clamping points via WMB Multi Marking System. Group marking via marking strips (Item No. 709-177).

# **DISCONNECT/TEST TERMINAL BLOCKS**

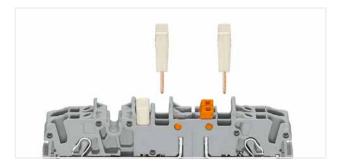




### 2-, 3- and 4-Conductor Disconnect Terminal Blocks

- Three alternative disconnection options are available: via pivoting knife disconnect and additional mechanical interlock or via disconnect plug.
- blocks, these terminal blocks maintain uniformity in the cabinet and provide clear sightlines.

# two levels. • Thanks to the same shape as corresponding through terminal



An additional jumper slot is located behind the knife discon-

commoning options in front of or behind the knife disconnect, depending on the power supply direction.

### Double-Deck, Double-Disconnect Terminal Blocks

- Two potential-free disconnect terminal blocks are housed on
- Save space without compromising usability.
- The knife disconnects are located between the conductors, always making them visible to the operator.



Pivoting marker carriers provide an additional marking location.

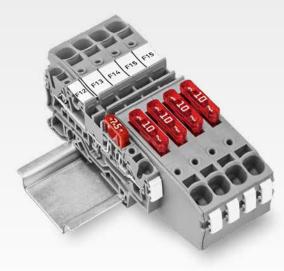


Variant: One disconnect and one through terminal block are accommodated on two levels in a terminal block that is just 5.2 mm (0.205 inch) wide.



# **FUSE TERMINAL BLOCKS**





Fuse terminal blocks for DIN 72581-3f blade-style

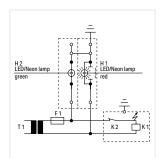
# Disconnect/Ground Conductor Disconnect Terminal Blocks

- Perfect for high-voltage or renewable energy applications
- Ground conductor disconnect terminal blocks provide service-friendly testing for potential ground faults
- Both terminal blocks are available for conductors ranging in size from 0.5 mm<sup>2</sup> to 10 mm<sup>2</sup> (20–8 AWG).

### **Fuse Terminal Blocks**

- Protect electrical circuits against short-circuiting
- Suitable for miniature metric fuses or blade-style fuses
- · Can be assembled into strips and easily replaced if required

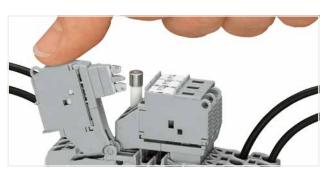




Test position – grounding: slide link open, auxiliary circuit not grounded, red LED/neon lamp lights

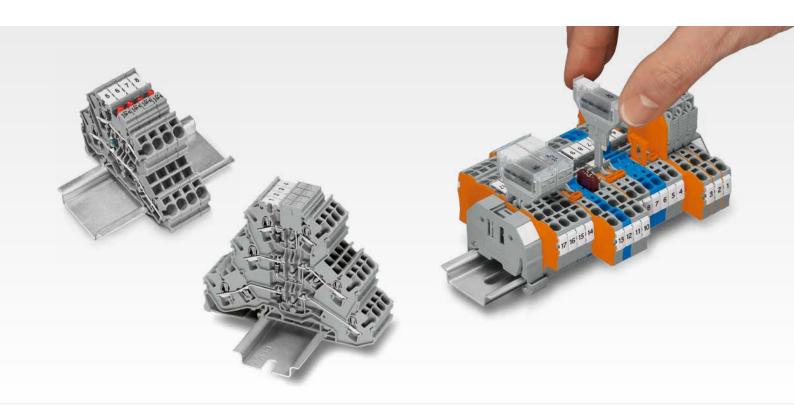


Ground conductor disconnect terminal block – top view



Pivot the fuse holder into the locked open position. Fuse terminal blocks for miniature metric fuses are rated at 2.5 mm<sup>2</sup> (12 AWG) and 6 mm<sup>2</sup> (8 AWG).

# DIODE AND LED TERMINAL BLOCKS



# Double- and Triple-Deck LED and Diode Terminal Blocks

- Design monitoring units (e.g., for control and operating circuits) via LED terminal blocks
- Design custom diode circuits (e.g., lamp test and collective fault signal circuits) using LED terminal blocks
- Design custom circuits via push-in type jumper bars

## Pluggable Diode and LED Modules

- Component plugs can either be pre-assembled, or the components (e.g., diodes, resistors) can be assembled by the user via solder-free connection
- Available in 5.2 mm or 10.4 mm width for carrier terminal blocks or for use in a jumper slot



LED terminal blocks with a red LED



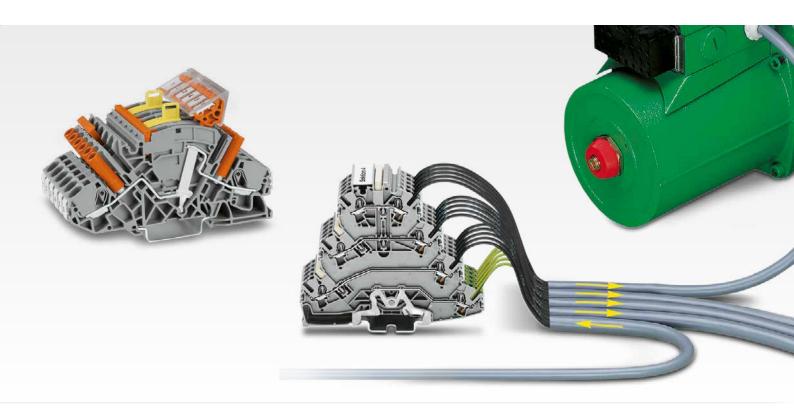
Labeling via WMB Multi markers and marking strips



Test option available



# CURRENT TRANSFORMER AND MOTOR WIRING TERMINAL BLOCKS



### **Current Transformer Terminal Blocks**

- · Safe, automatic short-circuiting
- · Easily test current transformer circuits
- Intuitive orange disconnect links simplify operation
- Directly identify the circuit state via an open, touch-proof design
- Can be clearly labeled

# Rail-Mount Terminal Blocks for Electric Motor Wiring

- Quadruple-deck, rail-mount terminal blocks for electric motor wiring
- Compact design: three phases and one ground conductor in a single terminal block
- Specialty versions featuring two or three potentials without a ground contact are also available



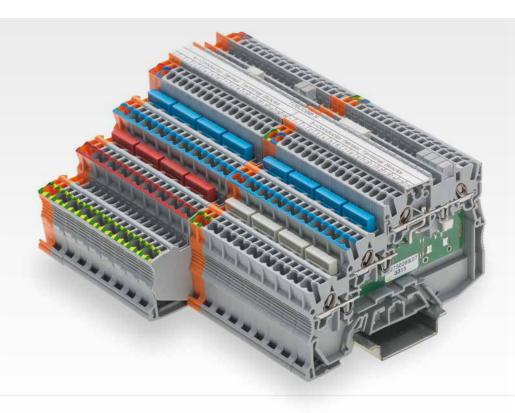
Additional commoning option on the transformer side



Identify clamping units via WMB markers and groups via marking strips

# SENSOR/ACTUATOR TERMINAL BLOCKS

# Send the Right Signals



### **Maximum Signal Density**

- Pack several sensors into the smallest possible space using only 3.5 mm per sensor on the DIN-rail
- Ideal for small terminal boxes within a system's decentralized periphery, as well as for centralized installation in the control cabinet

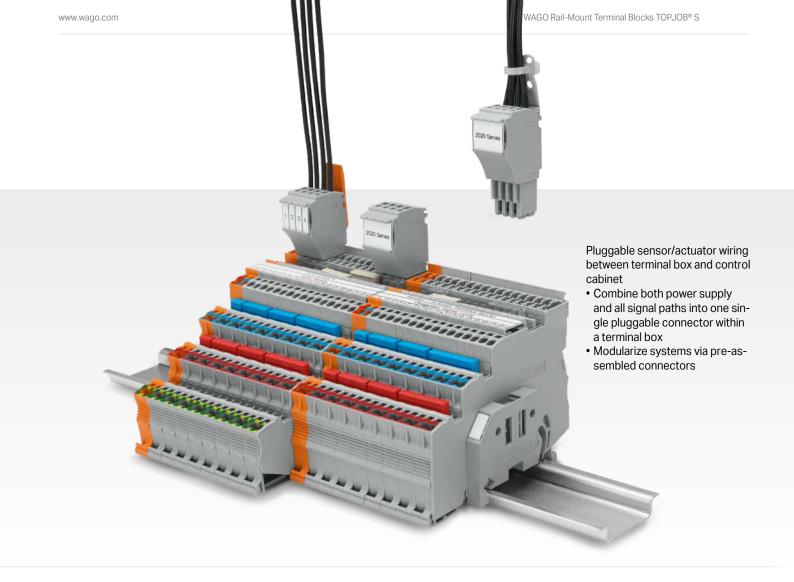
# Pluggable Diode and LED Modules

- Commoning with standard jumpers no pole number limitation
- · Color-coded jumpers simplify potential assignment









### **Fastest Marking System**

- Clear identification thanks to multi-line marking strips that don't cover the jumper slot
- Easy to read from any angle thanks to two marker slots on the top and side of the terminal strip

# LED, Wiring and Marking in Plain View

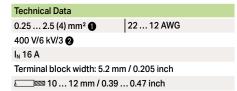
- LEDs, jumpers and markers are always visible even when wired
- Streamlined terminal block design provides quick wiring overview and a simplified control layout





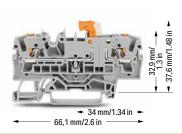
### Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block TOPJOB® S; with Push-Button

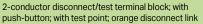
2.5 (4) mm<sup>2</sup>; 2202 Series



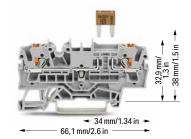
Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V/6 kV/3 2		
I <sub>N</sub> 10 A <b>③</b>		
Terminal block width: 5.2	mm / 0.205 inch	
■■ 10 12 mm / 0.3	39 0.47 inch	

Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
400 V/6 kV/3 2	
I <sub>N</sub> 16 A	
Terminal block width: 5.2	mm / 0.205 inch
<b>□</b> ■ 10 12 mm / 0.3	39 0.47 inch



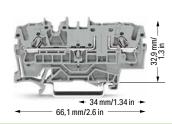


Color	Item No.	VPE
gray	2202-1671	50
blue	2202-1674	50
orange	2202-1672	50



2-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point

Qray 2202-1681 50	Color	Item No.	VPE
2202 1001 30	gray	2202-1681	50



2-conductor carrier terminal block; with push-button; with test point

Color	Item No.	VPE
gray	2202-1661	50

#### Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



2002-401 100 (25) orange

#### Accessories; 2202 Series

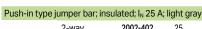
Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick				
	orange	2002-1692	100 (25)	
	gray	2002-1691	100 (25)	

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> 2002-171 200 (25)

man Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

2002-172 200 (25) dark gray 00000



2-way	2002-402	25	
3-way	2002-403	25	
4-way	2002-404	25	
5-way	2002-405	25	
6-way	2002-406	25	
7-way	2002-407	25	
8-way	2002-408	25	
9-way	2002-409	25	
10-way	2002-410	25	

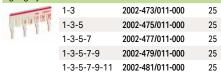
Push-in type jumper bar; insulated;  $I_{N}$  25 A; light gray 1 to 3 2002-433 25 1 to 4 2002-434 25 2002-435 25 1 to 5 1 to 6 2002-436 25 1 to 7 2002-437 25 1 to 8 2002-438 25 1 to 9 2002-439 25 1 to 10 2002-440 25

Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray 1-2 3-4 5-6 2002-406/020-000

Star point jumper; insulated;  $I_N = I_N$  terminal block; light arav 2002-405/011-000 1-3-5 25

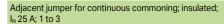
gered jun	nper; insulated; l <sub>i</sub>	v 25 A; light gra	ay
- 510	2-way	2002-472	25
14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3-way	2002-473	25
111111	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_{\mbox{\scriptsize N}}$  25 A; light gray



Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A; light gray

> 2002-400 25 2-way



P	ć .:			
14	blue	2002-423/000-	006	25
Fi	red	2002-423/000-	005	25
_	light gray	2002-423	25	

Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A, light gray

2002-415 25

Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup>

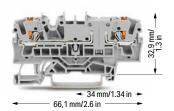
22 ... 12 AWG

400 V/6 kV/3 2

 $I_N 16 A$ 

Terminal block width: 5.2 mm / 0.205 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch



2-conductor through terminal block; with push-button; with test point; same profile as 2-conductor disconnect terminal block

Color	Item No.	VPE
gray	2202-1601	50
blue	2202-1604	50
orange	2202-1602	50

#### Other terminal blocks with the same profile:

Fuse	2202-1611	Page 86

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm

white 2009-115



Marking strip; plain; 11 mm wide; 50 m reel

white

2009-110

1

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm



793-5501 5

Modular connector; snaps together; for jumper contact



2002-511

100 (25)

Spacer module; snaps together; bridges commoned terminal blocks



2002-549 100 (25)

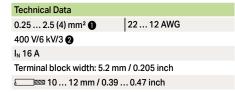
End plate; for modular connector; 1.5 mm thick



2002-541 100 (25)

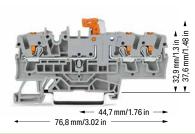
# Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button

2.5 (4) mm<sup>2</sup>; 2202 Series



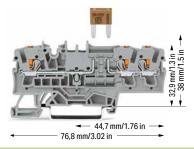
Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
400 V/6 kV/3 2	•
I <sub>N</sub> 10 A <b>3</b>	
Terminal block width: 5.2	2 mm / 0.205 inch
√ 22 10 12 mm / 0.39 0.47 inch	

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V/6 kV/3 2		
I <sub>N</sub> 16 A		
Terminal block width: 5.2 mm / 0.205 inch		
10 12 mm / 0.39 0.47 inch		



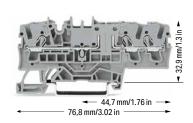
3-conductor disconnect/test terminal block; with push-button; with test point; orange disconnect link

Color	Item No.	VPE
gray	2202-1771	50
blue	2202-1774	50
orange	2202-1772	50



3-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point

Color	Item No.	VPE
gray	2202-1781	50



3-conductor carrier terminal block; with push-button; with test point

Color	Item No.	VPE
gray	2202-1761	50

#### Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



orange

2002-401

100 (25)

Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

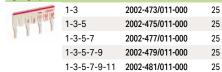
Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

End and inte	rmediate plate;	1 mm thick	
	orange	2002-1792	100 (25)
The later later	gray	2002-1791	100 (25)
Insulation st	op; 5 pcs/strip;	0.25 0.5 mm	2
	light gray	2002-171	200 (25)
man			
Insulation st	op; 5 pcs/strip;	0.75 1 mm²	
	dark gray	2002-172	200 (25)
00000			
90-			
Push-in type	jumper bar; ins	ulated; I <sub>N</sub> 25 A;	light gray
-	2-way	2002-402	25
111	3-way	2002-403	25
Itt	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25
Delta jumper	r; insulated; I <sub>N</sub> =	I <sub>N</sub> terminal bloo	ck; light gray

,,,,			0 0 ,
	1 to 3	2002-433	25
	1 to 4	2002-434	25
1 1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25
Star point jum gray	nper; insulated; l <sub>i</sub>	<sub>N</sub> = I <sub>N</sub> terminal I	block; light
TOP	1-3-5	2002-405/011	-000 25
Staggered jur	mper; insulated;	I <sub>N</sub> 25 A; light g	ray
-	2-way	2002-472	25
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3-way	2002-473	25
Hilling	4-way	2002-474	25
	5-way	2002-475	25

777	1-3-5	2002-405/011-	-000 25
Staggered jur	nper; insulated; l	<sub>№</sub> 25 A; light gr	ay
- 50	2-way	2002-472	25
The state of the s	3-way	2002-473	25
Allin	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_{\text{N}}$  25 A; light gray



Adjacent jumper for continuous commoning; insulated;  $l_{\text{\scriptsize N}}$  25 A; light gray

2-way **2002-400** 25

Adjacent jumper for continuous commoning; insulated;  $I_{\text{\scriptsize N}}$  25 A; 1 to 3

	light gray	2002-423	25	
FI	red	2002-423/000	-005	25
d t	blue	2002-423/000	-006	25
A -11 1				- I.

Adjacent jumper for continuous commoning; insulated;  $I_N$  25 A, light gray  $5\text{-way} \qquad 2002\text{-}415 \qquad 25$ 



Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

2002-406/020-000

25

1-2 3-4 5-6

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup>

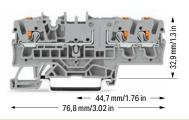
22 ... 12 AWG

400 V/6 kV/3 2

 $I_N 16 A$ 

Terminal block width: 5.2 mm / 0.205 inch

2 10 ... 12 mm / 0.39 ... 0.47 inch



3-conductor through terminal block; with push-button; with test point; same profile as 3-conductor disconnect terminal block

Color	Item No.	VPE
gray	2202-1701	50
blue	2202-1704	50
orange	2202-1702	50

3-conductor ground terminal block; with push-button; with test point

green-yellow 2202-1707 50

Other terminal blocks with the same profile:

Fuse 2202-1711 Page 86

- Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm

white

2009-115



Marking strip; plain; 11 mm wide; 50 m reel

white

2009-110

1





Modular connector; snaps together; for jumper contact slot



gray

gray

2002-511

100 (25)

Spacer module; snaps together; bridges commoned terminal blocks



2002-549 100 (25)

End plate; for modular connector; 1.5 mm thick

2002-541

100 (25)



W/AGO

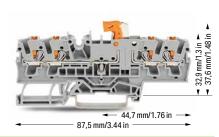
### Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block TOPJOB® S; with Push-Button

2.5 (4) mm<sup>2</sup>; 2202 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V/6 kV/3 2 I<sub>N</sub> 16 A Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

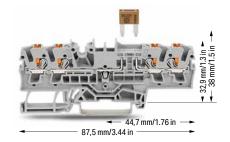
Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
400 V/6 kV/3 2	
I <sub>N</sub> 10 A 🔞	
Terminal block width: 5.2	mm / 0.205 inch
10 12 mm / 0.39 0.47 inch	





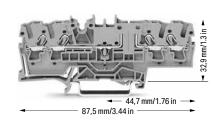
4-conductor disconnect/test terminal block: with push-button; with test point; orange disconnect link

Color	Item No.	VPE
gray	2202-1871	50
<ul><li>blue</li></ul>	2202-1874	50
orange	2202-1872	50



4-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point

gray 2202-1881 50	Color	Item No.	VPE
© 3 · ,	gray	2202-1881	50



4-conductor carrier terminal block; with push-button; with test point

Color	Item No.	VPE
gray	2202-1861	50

#### Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block

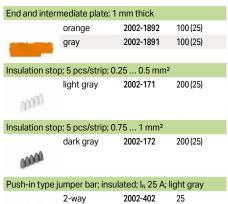


2002-401 orange

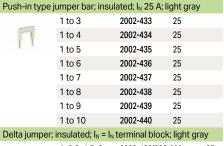
100 (25)

Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips



Push-in type ji	umper bar; insula	ated; I <sub>N</sub> 25 A; Ii	ght gray
	2-way	2002-402	25
TIV	3-way	2002-403	25
IIII	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10 way	2002-410	25



1-2 3-4 5-6 2002-406/020-000 25

Star point jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light arav 1-3-5 2002-405/011-000 25

TOP			
Staggered jur	nper; insulated; l	<sub>N</sub> 25 A; light gr	ay
	2-way	2002-472	25
14444	3-way	2002-473	25
Milition	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25

12-way

2002-482

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; IN 25 A;

- THIN	1-3	2002-473/011-000	25	
The l	I I I I I I	1-3-5	2002-475/011-000	25
1		1-3-5-7	2002-477/011-000	25
		1-3-5-7-9	2002-479/011-000	25
		1-3-5-7-9-11	2002-481/011-000	25

Adjacent jumper for continuous commoning; insulated;  $I_N$  25 A; light gray

	2-way	2002-400	25
7			

Adjacent jumper for continuous commoning; insulated;  $I_N$  25 A; 1 to 3

	light gray	<b>2002-423</b> 25	
F	red	2002-423/000-005	25
1 -	blue	2002-423/000-006	25

Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A, light gray

	5-way	2002-415	25
1111			

Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

**Technical Data** 

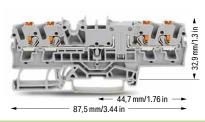
0.25 ... 2.5 (4) mm<sup>2</sup>

22 ... 12 AWG

400 V/6 kV/3 2

 $I_N 16 A$ 

Terminal block width: 5.2 mm / 0.205 inch



4-conductor through terminal block; with push-button; with test point; same profile as 4-conductor disconnect terminal block

Color	Item No.	VPE
gray	2202-1801	50
blue	2202-1804	50
orange	2202-1802	50

#### Other terminal blocks with the same profile:

Fuse	2202-1811	Page 87

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm

2009-115



Marking strip; plain; 11 mm wide; 50 m reel

white

white

2009-110

1

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

100 (25) 2002-511

Spacer module; snaps together; bridges commoned terminal blocks

gray

Modular connector; snaps together; for jumper contact



2002-549 gray 100 (25)



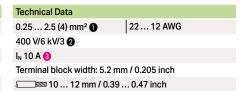


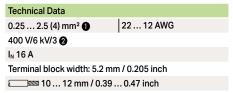


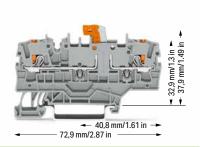


### Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Push-Button; with Additional Jumper Slot 2.5 (4) mm<sup>2</sup>; 2202 Series



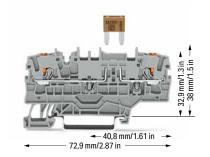






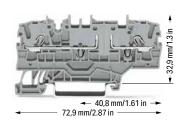
2-conductor disconnect/test terminal block; with push-button; with test point; orange disconnect link; with additional jumper slot

Color	Item No.	VPE
gray	2202-1971	50
blue	2202-1974	50
orange	2202-1972	50



2-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point; without blown fuse indication; with additional jumper slot Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages

Color	Item No.	VPE
gray	2202-1981	50



2-conductor carrier terminal block: with push-button: with test point; with additional jumper slot

Color	Item No.	VPE
gray	2202-1961	50

#### Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



2002-401

100 (25)

Accessories; 2202 Series

End and intermediate plate; 1 mm thick 2002-1992 100 (25) 2002-1991 100 (25) Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> light gray 2002-171 200 (25) noon. Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> 2002-172 200 (25) dark gray 00000 Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; 2002-402 25 2-way 2002-403 25 3-wav 2002-404 25 4-way 5-way 2002-405 25 6-way 2002-406 25

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in typ	e jumper bar; insi	ulated; I <sub>N</sub> 25 A	; light gray
	1 to 3	2002-433	25
	1 to 4	2002-434	25
1 1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25
Delta jumpe	er; insulated; I <sub>N</sub> = I	N terminal blo	ck; light gray
TITT	1-2 3-4 5-6	2002-406/02	0-000 25
Star point jumper; insulated; $I_N = I_N$ terminal block; light grav			

1-3-5 25

Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A; light gray

2002-405/011-000 2002-400 25 2-way

Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray



Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; I<sub>N</sub> 25 A;

Later	1-3	2002-473/011-000	25
The same	1-3-5	2002-475/011-000	25
1 1 1	1-3-5-7	2002-477/011-000	25
	1-3-5-7-9	2002-479/011-000	25
	1-3-5-7-9-11	2002-481/011-000	25



2002-407

2002-408

2002-409

2002-410

7-way

8-way

9-way 10-way 25

25

25

25

#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup>

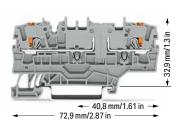
22 ... 12 AWG

400 V/6 kV/3 2

 $I_N 16 A$ 

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch



2-conductor through terminal block; with push-button; with test point; with additional jumper slot; same profile as 2-conductor disconnect terminal block

Color	Item No.	VPE
gray	2202-1901	50
blue	2202-1904	50
orange	2202-1902	50

2-conductor ground terminal block; with push-button; with test point; with additional jumper slot

green-yellow

2202-1907

Other terminal blocks with the same profile:

2202-1911 Page 86

- Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Observe touch-proof protection for 42 V and higher voltages!
- 10 Å (individual arrangement)
- 5 A (block arrangement)

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Spacer module; snaps together; bridges commoned terminal blocks



End plate; for modular connector; 1.5 mm thick

gray

2002-541 100 (25) gray

2002-549

100 (25)



WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm

white 2009-115



Marking strip; plain; 11 mm wide; 50 m reel



WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

plain

793-5501

2009-110



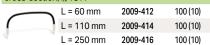


Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A, light gray



2002-415 5-way 25

#### Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor cross-section; I<sub>N</sub> 18 A



Modular connector; snaps together; for jumper contact slot

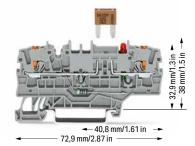


2002-511 100 (25) gray

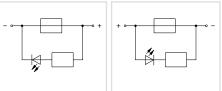


# Fuse Terminal Block TOPJOB® S; with Push-Button; for Mini-Automotive Blade-Style Fuse; with Additional Jumper Slot

2.5 (4) mm<sup>2</sup>; 2202 Series



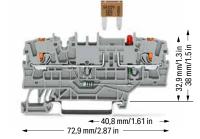




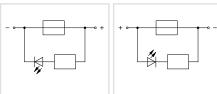
2-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point; 12 V; with blown fuse indication by LED; LED power consumption: 4.8 mA; with additional jumper slot Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2202-1981/1000-429	50
□ grav	2202-1981/1000-449	50

Other terminal blocks	with the same profile	
Through	2202-1901	Page 83

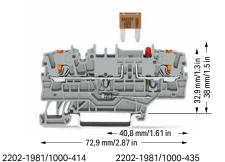


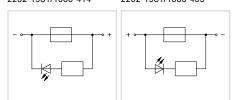




2-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point; 24 V; with blown fuse indication by LED; LED power consumption: 4.8 mA; with additional jumper slot Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2202-1981/1000-413	50
gray	2202-1981/1000-434	50





2-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point; 48 V; with blown fuse indication by LED; LED power consumption: 4.8 mA; with additional jumper slot Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2202-1981/1000-414	50
○ grav	2202-1981/1000-435	50

#### Accessories; 2202 Series

End and intermediate plate; 1 mm thick

L = 110 mm

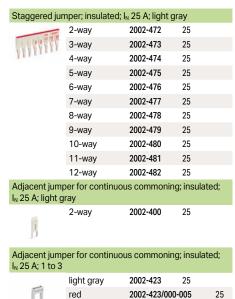
 $L = 250 \, mm$ 

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

	orange	2002-1992	100 (25)
-	gray	2002-1991	100 (25)
Insulation sto	p; 5 pcs/strip; 0.2	25 0.5 mm²	
	light gray	2002-171	200 (25)
mm			
Insulation sto	p; 5 pcs/strip; 0.7	75 1 mm²	
	dark gray	2002-172	200 (25)
00000			
Push-in type wire jumper; insulated; 1.5 mm $^{2}$ conductor cross-section; $I_{N}$ 18 A			
	L = 60 mm	2009-412	100 (10)

TIV	2-way	2002-402	25	
	3-way	2002-403	25	
IIII	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	
Push-in type	e jumper bar; ir	sulated; I <sub>N</sub> 25 A	; light gray	
	1 to 3	2002-433	25	
F	1 to 4	2002-434	25	
1 1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	



Adjacent jumper for continuous commoning; insulated;

blue

5-way

 $I_N$  25 A, light gray

25

2002-423/000-006

2002-415

2009-414

2009-416

100 (10)

100 (10)

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup>

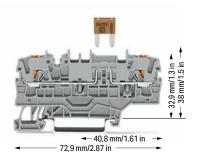
22 ... 12 AWG 0.25 ... 4

400 V/6 kV/3 2

I<sub>N</sub> 10 A 🔞

Terminal block width: 5.2 mm / 0.205 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch



Conductor range: 0.25 ... 2.5 mm² "s+f-st" and 0.25 ... 4 mm² "s"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 400 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

2-conductor fuse terminal block; with push-button; for mini-automotive blade-style fuse; with test point; without blown fuse indication; with additional jumper slot Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
O grav	2202-1981	50

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5  $\dots$  5.2 mm



white

2009-115

Marking strip; plain; 11 mm wide; 50 m reel

w

2009-110

WMB marker card; white; 10 strips with 10 markers/card; stretchable  $5\dots 5.2\ \text{mm}$ 



plain

793-5501

5

Double-deck marker carrier; pivoting



gray

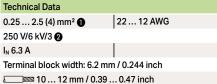
2002-121

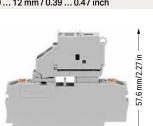
50 (25)



# Fused Disconnect Terminal Block with a Pivoting Fuse Holder TOPJOB® S; with Push-Button; for (5 x 20) mm Glass Cartridge Fuse

2.5 (4) mm<sup>2</sup>; 2202 Series





→ 34 mm/1 34 in →

2-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; for (5 x 20) mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

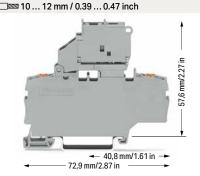
66,1 mm/2.6 in

	Item No.	Pack. Unit
□ grav	2202-1611	50

2-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; for (5 x 20) mm glass cartridge fuse; with blown fuse indication by LED; gray Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

○ 1230 V	2202-1611/1000-541	50
○ 30 65 V	2202-1611/1000-542	50
○ 120 V	2202-1611/1000-867	50
230 V	2202-1611/1000-836	50

Other terminal blocks with the same profile:			
Through	2202-1601	Page 77	



2-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; with additional jumper slot; for (5 x 20) mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

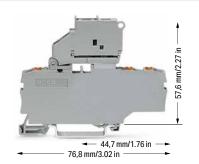
	Item No.	Pack. Unit
□ grav	2202-1911	50

2-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; with additional jumper slot; for (5 x 20) mm glass cartridge fuse; with blown fuse indication; gray

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED

○ 1230 V	2202-1911/1000-541	50
○ 30 65 V	2202-1911/1000-542	50
○ 120 V	2202-1911/1000-867	50
O 230 V	2202-1911/1000-836	50

Other terminal blocks with the same profile:				
Through <b>2202-1901</b> Page 83				



3-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; for (5 x 20) mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

	Item No.	Pack. Unit
gray	2202-1711	50

3-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; for (5 x 20) mm glass cartridge fuse; with blown fuse indication by LED; gray Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

$\bigcirc$	12 30 V	2202-1711/1000-541	50
$\bigcirc$	30 65 V	2202-1711/1000-542	50
$\bigcirc$	120 V	2202-1711/1000-867	50
$\bigcirc$	230 V	2202-1711/1000-836	50

Other terminal blocks with the same profile:			
Through	2202-1701	Page 79	

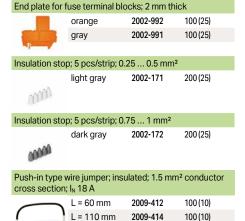
Accessories; 2202 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type jumper bar; insulated; I<sub>N</sub> 32 A; light gray

2004-402

2-way



L = 250 mm

W	3-way	2004-403	25	
TITT	4-way	2004-404	25	
	5-way	2004-405	25	
	6-way	2004-406	25	
	7-way	2004-407	25	
	8-way	2004-408	25	
	9-way	2004-409	25	
	10-way	2004-410	25	
Push-in type	e jumper bar; ir	nsulated; I <sub>N</sub> 32 A;	light gray	
	1 to 3	2004-433	25	
	1 to 4	2004-434	25	
1 1	1 to 5	2004-435	25	
	1 to 6	2004-436	25	
	1 to 7	2004-437	25	
	1 to 8	2004-438	25	
	1 to 9	2004-439	25	
	1 to 10	2004-440	25	



2009-416

100 (10)

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 1

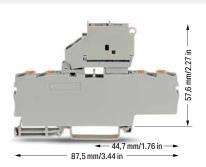
22 ... 12 AWG

250 V/6 kV/3 2

I<sub>N</sub> 6.3 A

Terminal block width: 6.2 mm / 0.244 inch

**□** 10 ... 12 mm / 0.39 ... 0.47 inch



4-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; for (5 x 20) mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

	Item No.	Pack. Unit
gray	2202-1811	50

4-conductor fused disconnect terminal block with a pivoting fuse holder; with push-button; for (5 x 20) mm glass cartridge fuse; with blown fuse indication by LED; gray Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

○ 12 30 V	2202-1811/1000-541	50
○ 30 65 V	2202-1811/1000-542	50
○ 120 V	2202-1811/1000-867	50
O 230 V	2202-1811/1000-836	50

Other terminal blocks with the same profile:		
Through	2202-1801	Page 81

Conductor range: 0.25 ... 2.5 mm<sup>2</sup> "s+f-st" and 0.25 ... 4 mm<sup>2</sup> "s";

Push-in termination: 1 ... 4 mm $^2$  "s" and 1 ... 2.5 mm $^2$  "insulated ferrules, 12 mm"

Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

250 V = rated voltage6 kV = rated impulse voltage3 = pollution degree

Please observe the application notes: Jumpers, page 164 Marking, from page 246

A protective warning marker and an insulation stop must be applied individually. Due to the 6.2 mm width of double-deck terminal blocks with end plates, 2004 Series Push-In Type Jumper Bars must be used.

Approvals and corresponding ratings, visit www.wago.com

#### Miniature fuses 5 x 20

Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
	Fuse terminal blocks			
2202-1611			ı	ı
2202-1711	1.6 W	1.6 W	2.5 W	2.5 W
2202-1811				
2202-1611/				
2202-1711/	1.6 W	1.6 W	2.5 W	2.5 W
2202-1811/				

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal block must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature fuses. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.

#### Miniature fuses 5 x 20

Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual Group argmt.		Individual argmt.	Group argmt.
	Fuse terminal blocks			
2202-1911	1.6 W	1.6 W	2.5 W	2.5 W
2202-1911/	1.6 W	1.6 W	2.5 W	2.5 W

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal block must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature fuses. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.



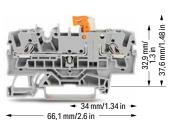
### Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block TOPJOB® S

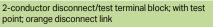
2.5 (4) mm<sup>2</sup>; 2002 Series

Technical Data		
	22 12 AWG	
400 V/6 kV/3 2	300 V, 15 A 👊	
I <sub>N</sub> 16 A	300 V, 10 A@	
Terminal block width: 5.2 mm / 0.205 inch		
<b>□</b> ■ 10 12 mm / 0.39	0.47 inch	

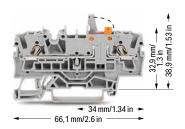
Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V/6 kV/3 2	300 V, 15 A <b>9A</b>	
I <sub>N</sub> 16 A	300 V, 10 A@	
Terminal block width: 5.2 mm / 0.205 inch		
<b>□</b> ■ 10 12 mm / 0.39 .	0.47 inch	

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V/6 kV/3 2	300 V, 10 A 👊	
I <sub>N</sub> 10 A 🔞	300 V, 10 A@	
Terminal block width: 5.2 mm / 0.205 inch		
10 12 mm / 0.39 0.47 inch		



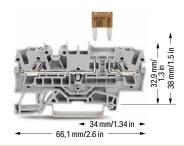


Color	Item No.	VPE
○ gray ⓑ	2002-1671 4	50
oblue 😉	2002-1674 4	50
orange 🗟	2002-1672 4	50



2-conductor disconnect/test terminal block: with mechanical interlock; with test point; orange disconnect

Color	Item No.	VPE
gray	2002-1671/401-000 4	50
blue	2002-1674/401-000 4	50
orange 😉	2002-1672/401-000 4	50



2-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point

Color	Item No.	VPE
○ gray ⓑ	2002-1681 4	50

#### Accessories; 2002 Series Appropriate marking systems: WMB/WMB Inline/Marking strips End and intermediate plate; 1 mm thick Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray 2002-1692 100 (25) orange 2002-1691 100 (25) Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> light gray 2002-171 200 (25) DOM: Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> 200 (25) 2002-172 dark gray 00000 Protective warning marker; with black high-voltage symbol; for 5 terminal blocks vellow 2002-115 100 (25) TOTTO Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray 2-way 2002-402 25 2002-403 25 3-way 4-way 2002-404 25 2002-405 25 5-way 6-way 2002-406 25 7-way 2002-407 25 2002-408 25 8-wav

1 to 3 2002-433 25 2002-434 25 1 to 4 2002-435 25 1 to 5 1 to 6 2002-436 25 1 to 7 2002-437 25 1 to 8 2002-438 25 1 to 9 2002-439 25 2002-440 25 1 to 10 Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray 1-2 3-4 5-6 2002-406/020-000 Star point jumper; insulated;  $I_N = I_N$  terminal block; light gray 1-3-5 2002-405/011-000 25 Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray 2002-472 25 2-way 2002-473 25 3-way 2002-474 25 4-way 5-way 2002-475 25 6-way 2002-476 25 2002-477 25 7-way 2002-478 25 8-way 9-way 2002-479 25 10-way 2002-480 25

11-way

12-way

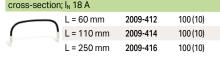
25

25

2002-481 2002-482 Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; I<sub>N</sub> 25 A; light gray 2002-473/011-000 25 1-3-5 2002-475/011-000 25 1-3-5-7 2002-477/011-000 25 1-3-5-7-9 2002-479/011-000 25 1-3-5-7-9-11 2002-481/011-000 25 Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A; light gray 2-way 2002-400 25

Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A; 1 to 3 light gray 2002-423 25 red 2002-423/000-005 25 2002-423/000-006 blue 25 Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A, light gray 2002-415 25

Push-in type wire jumper; insulated; 1.5 mm² conductor





2002-409

2002-410

25

9-way

10-way

#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V/6 kV/3 2 300 V, 15 A**W**  $I_N 16 A$ 300 V, 10 A@

Terminal block width: 5.2 mm / 0.205 inch

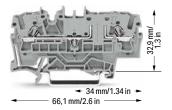
10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V/6 kV/3 2 300 V, 15 A**N** I<sub>N</sub> 16 A 300 V, 10 A@

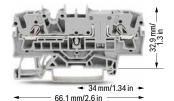
Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



2-conductor carrier terminal block; with test point

Color	Item No.	VPE
○ gray ⑤	2002-1661 4	50



2-conductor through terminal block; with test point; same profile as 2-conductor disconnect terminal block

Color	Item No.	VPE
○ gray ⓑ	2002-1601 4	50
oblue 🗟	2002-1604	50
orange 🛭	2002-1602 4	50

Other terminal blocks with the same profile:

2002-1611 Page 98 Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

- 3 Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)
- Terminal blocks with an Ex mark are suitable for Ex ec IIc applications. 440 V; 17 A

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Disconnect/test terminal block with pivoting knife discon-



nect – opening a knife disconnect.



Disconnect/test terminal block with pivoting knife disconnect - closing the knife disconnect.



Disconnect/test terminal block with pivoting knife disconnect - testing with voltage tester.

#### Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



orange

2002-401

100 (25)

Modular connector; snaps together; for jumper contact



2002-511

100 (25)

Spacer module; snaps together; bridges commoned terminal blocks



gray

arav

2002-549

100 (25)

End plate: for modular connector: 1.5 mm thick



2002-541

100 (25)

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5



2009-115

Marking strip; plain; 11 mm wide; 50 m reel



2009-110

WMB marker card; white; 10 strips with 10 markers/card;



793-5501



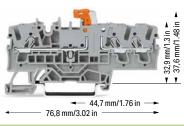
### Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S

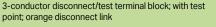
2.5 (4) mm<sup>2</sup>; 2002 Series

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V/6 kV/3 2	300 V, 15 A <b>SN</b>	
I <sub>N</sub> 16 A	300 V, 10 A@	
Terminal block width: 5.2 m	m / 0.205 inch	
10 12 mm / 0.39 0.47 inch		

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V/6 kV/3 2	300 V, 15 A <b>9</b>	
I <sub>N</sub> 16 A	300 V, 10 A@	
Terminal block width: 5.2 mm / 0.205 inch		
■ 10 12 mm / 0.39 0.47 inch		

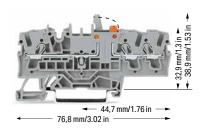
Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V/6 kV/3 2	300 V, 10 A <b>9</b>	
I <sub>N</sub> 10 A 🔞	300 V, 10 A@	
Terminal block width: 5.2 mm / 0.205 inch		
2 10 12 mm / 0.39 0.47 inch		





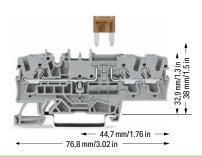
Color	Item No.	VPE
○ gray ⓑ	2002-1771 4	50
oblue 🗟	2002-1774 4	50
orange 🗟	2002-1772 4	50

Accessories; 2002 Series



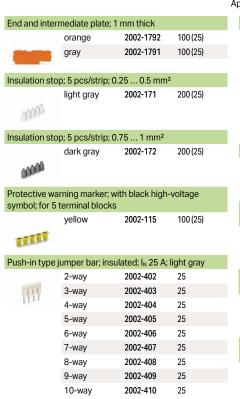
3-conductor disconnect/test terminal block: with mechanical interlock; with test point; orange disconnect

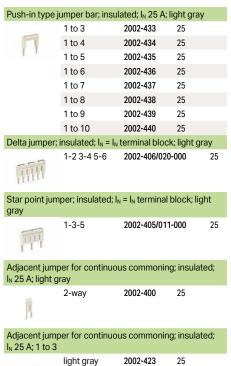
Color	Item No.	VPE
○ gray ⑤	2002-1771/401-000 4	50
■ blue   □	2002-1774/401-000 4	50
orange 😉	2002-1772/401-000 4	50



3-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point

Color	Item No.	VPE
○ gray ⓑ	2002-1781 4	50





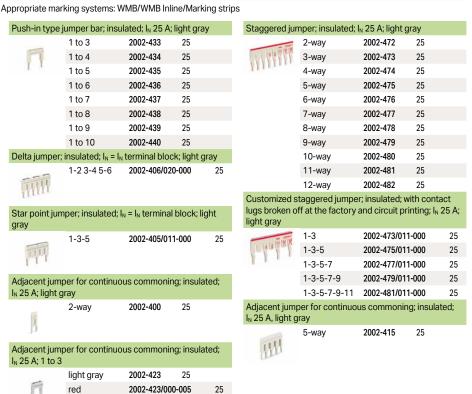
2002-423/000-005

2002-423/000-006

25

red

blue



#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V/6 kV/3 2 300 V, 15 A**W**  $I_N 16 A$ 300 V, 10 A@

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch

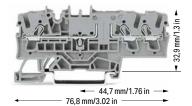
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 15 A 🕦 400 V/6 kV/3 2 I<sub>N</sub> 16 A 300 V, 10 A@

Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



3-conductor carrier terminal block; with test point

Color	Item No.	VPE
gray 😉	2002-1761 4	50



3-conductor through terminal block; with test point; same profile as 3-conductor disconnect terminal block

Color	Item No.	VPE
○ gray ⓑ	2002-1701 4	50
oblue 🗟	2002-1704 4	50
orange 🛭	2002-1702 4	50

3-conductor ground terminal block; mit Prüfmöglichkeit

50

Other terminal blocks with the same profile:

2002-1711 Page 98 Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

- 3 Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)
- Terminal blocks with an Ex mark are suitable for Ex ec IIc applications. 440 V; 17 A

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Disconnect/test terminal block with pivoting knife disconnect and mechanical interlock – knife disconnect in open position

#### Accessories; item-specific

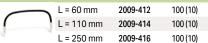
Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



orange

2002-401

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A



Modular connector; snaps together; for jumper contact slot



arav

2002-511

2002-549

100 (25)

100 (25)

Spacer module; snaps together; bridges commoned



End plate; for modular connector; 1.5 mm thick

2002-541 100 (25)



WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm



white

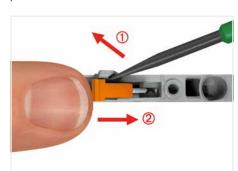
2009-115

Marking strip; plain; 11 mm wide; 50 m reel

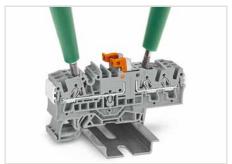
2009-110 white

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

793-5501 5



Disconnect/test terminal block with pivoting knife disconnect and mechanical interlock - closing the knife disconnect.



Disconnect/test terminal block with pivoting knife disconnect - testing with voltage tester.



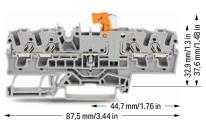
### Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block TOPJOB® S

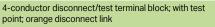
2.5 (4) mm<sup>2</sup>; 2002 Series

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
	300 V, 15 A <b>9N</b>	
I <sub>N</sub> 16 A	300 V, 10 A@	
Terminal block width: 5.2 mm / 0.205 inch		
10 12 mm / 0.39 0.47 inch		

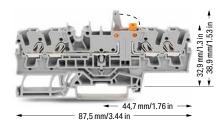
Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V/6 kV/3 2	300 V, 15 A <b>9</b>	
I <sub>N</sub> 16 A	300 V, 10 A@	
Terminal block width: 5.2 m	m / 0.205 inch	
■ 10 12 mm / 0.39 0.47 inch		

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V/6 kV/3 2	300 V, 10 A 👊	
I <sub>N</sub> 10 A 🔞	300 V, 10 A@	
Terminal block width: 5.2 mm / 0.205 inch		
2 10 12 mm / 0.39 0.47 inch		





Color	Item No.	VPE
○ gray ⓑ	2002-1871 4	50
oblue 🗟	2002-1874 4	50
orange 😡	2002-1872 4	50



4-conductor disconnect/test terminal block: with mechanical interlock; with test point; orange disconnect

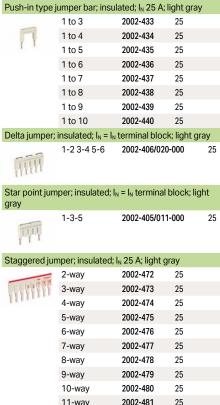
Color	Item No.	VPE
gray      ⊕	2002-1871/401-000 4	50
O blue ⊕	2002-1874/401-000 4	50
orange 😉	2002-1872/401-000 4	50



4-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point

Color	Item No.	VPE
○ gray ⓑ	2002-1881 4	50





2002-481

2002-482

25

11-way

12-way

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $I_N$  25 A; light gray 1-3 2002-473/011-000 25 25 1-3-5 2002-475/011-000 1-3-5-7 2002-477/011-000 25 2002-479/011-000 25 1-3-5-7-9 1-3-5-7-9-11 2002-481/011-000 25 Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A; light gray 2002-400 2-way 25 Adjacent jumper for continuous commoning; insulated;

I <sub>N</sub> 25 A; 1 to 3				
	light gray	2002-423	25	
F	red	2002-423/00	0-005	25
14	blue	2002-423/00	0-006	25
Adjacent jump I <sub>N</sub> 25 A, light g	oer for continuo ray	us commonir	ng; insulat	ted;
1111	5-way	2002-415	25	
Push-in type v	wire jumper; ins ı; I <sub>N</sub> 18 A	ulated; 1.5 mr	n² condu	ctor
	L = 60 mm	2009-412	100 (10)	)
(	I = 110 mm	2009-414	100 (10)	١

2009-416

L = 250 mm



100 (10)

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup>

Depending on the conductor characteristic, a conduc-

tor with a smaller cross section can also be inserted

3 Observe touch-proof protection for 42 V and higher

Terminal blocks with an Ex mark are suitable for

Blade-style fuses are not offered by WAGO.

Please observe the application notes:

"insulated ferrules, 12 mm"

 10 Å (individual arrangement) • 5 A (block arrangement)

via push-in termination.

Ex ec IIc applications. 440 V; 17 A

2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

voltages!

4

#### PUSH-IN CAGE CLAMP

#### **Technical Data**

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V/6 kV/3 2 300 V, 15 A**W**  $I_N 16 A$ 300 V, 10 A@

Terminal block width: 5.2 mm / 0.205 inch

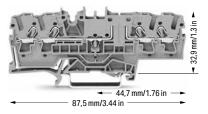
10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V/6 kV/3 2 300 V, 15 A**N** I<sub>N</sub> 16 A 300 V, 10 A@

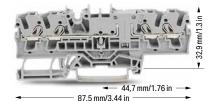
Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



4-conductor carrier terminal block; with test point

Color	Item No.	VPE
○ gray ⑤	2002-1861 4	50



4-conductor through terminal block; with test point; same profile as 4-conductor disconnect terminal block

Color	Item No.	VPE
○ gray ⓑ	2002-1801 4	50
oblue 🗟	2002-1804 4	50
orange 😉	2002-1802 4	50

Other terminal blocks with the same profile:

2002-1811 Page 99

#### Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



orange

2002-401

100 (25)



Disconnect/test terminal block with pivoting knife disconnect and mechanical interlock - top view



Carrier terminal block (2002-1861) with disconnect plug (2002-401) in parked position



Carrier terminal block (2002-1861) with disconnect plug (2002-401) in operating position

### Modular connector; snaps together; for jumper contact



2002-511

100 (25)

#### Spacer module; snaps together; bridges commoned terminal blocks



gray

2002-549

100 (25)

#### End plate; for modular connector; 1.5 mm thick



2002-541

100 (25)

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm



white

arav

2009-115

Marking strip; plain; 11 mm wide; 50 m reel



2009-110

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm

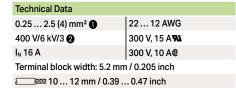


793-5501

5

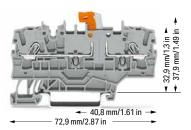


### Disconnect/Test Terminal Block, Fuse Terminal Block, Carrier Terminal Block, Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; with Additional Jumper Slot 2.5 (4) mm<sup>2</sup>; 2002 Series



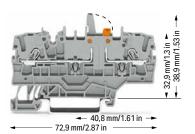
Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
	300 V, 15 A <b>SN</b>
I <sub>N</sub> 16 A	300 V, 10 A@
Terminal block width: 5.2 mm	/ 0.205 inch
10 12 mm / 0.39	. 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V, 10 A 👊 400 V/6 kV/3 2 Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



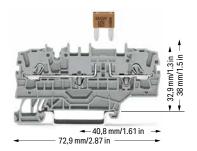
2-conductor disconnect/test terminal block; with test point; orange disconnect link; with additional jumper slot

Color	Item No.	VPE
○ gray ⓑ	2002-1971 4	50
oblue 🗟	2002-1974 4	50
orange 🗟	2002-1972 4	50



2-conductor disconnect/test terminal block; with mechanical interlock; with test point; orange disconnect link; with additional jumper slot

Color	Item No.	VPE
○ gray ⑤	2002-1971/401-000 4	50
oblue 😡	2002-1974/401-000 4	50
orange 😡	2002-1972/401-000 4	50



2-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point; without blown fuse indication: with additional jumper slot Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	VPE
○ gray ⓑ	2002-1981 4	50

#### Accessories; 2002 Series End and intermediate plate; 1 mm thick 2002-1992 100 (25) orange 2002-1991 100 (25) gray Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup> light gray 2002-171 200 (25) mm Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> dark gray 2002-172 200 (25) 00000 Protective warning marker; with black high-voltage symbol; for 5 terminal blocks yellow 2002-115 100 (25) THE THE Delta jumper: insulated: I<sub>N</sub> = I<sub>N</sub> terminal block: light grav 1-2 3-4 5-6 2002-406/020-000

Push-in type jumper bar; insulated;  $I_N$  25 A; light gray 2002-402 25 2-way 2002-403 25 3-way 2002-404 25 5-way 2002-405 25 25 6-wav 2002-406 7-way 2002-407 25 2002-408 25 8-way 9-way 2002-409 25 10-way 2002-410 25 Push-in type jumper bar; ins lated; I<sub>N</sub> 25 A; light gray 2002-433 25 1 to 3 2002-434 25 1 to 4 1 to 5 2002-435 25 1 to 6 2002-436 25 1 to 7 2002-437 25 1 to 8 2002-438 25 1 to 9 2002-439 25 1 to 10 2002-440 25

Appropriate marking systems: WMB/WMB Inline/Marking strips Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray 2002-472 25 2-way 2002-473 25 3-way 2002-474 25 5-way 2002-475 25 6-wav 2002-476 25 7-way 2002-477 25 2002-478 25 8-way 9-way 2002-479 25 10-way 2002-480 25 2002-481 25 11-way 2002-482 12-way 25 Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; IN 25 A; 2002-473/011-000 2002-475/011-000 25 1-3-5 1-3-5-7 2002-477/011-000 25 1-3-5-7-9 2002-479/011-000 25

2002-481/011-000

#### **Technical Data**

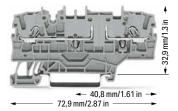
0.25 ... 2.5 (4) mm<sup>2</sup> 1 22 ... 12 AWG 400 V/6 kV/3 2 300 V, 15 A 31 I<sub>N</sub> 16 A 300 V, 10 A®

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch

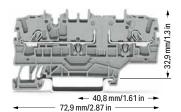
Terminal block width: 5.2 mm / 0.205 inch

**Technical Data** 



2-conductor carrier terminal block; with test point; with additional jumper slot

Color	Item No.	VPE
gray 😉	2002-1961 4	50



2-Leiter-Durchgangsklemme; mit Prüfmöglichkeit; with additional jumper slot; konturengleich zu 2-Leiter-Trennklemme

2-conductor through terminal block; with test point; same profile as 2-conductor disconnect terminal block

Color	Item No.	VPE
○ gray ⑤	2002-1901 4	50
blue 🛭	2002-1904 4	50
orange 😡	2002-1902 4	50

2-conductor ground terminal block; mit Prüfmöglichkeit; with additional jumper slot

green-yellow 2002-1907 4 50

Other terminal blocks with the same profile:

Fuse 2002-1911 Page 98

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 400 V = rated voltage
   6 kV = rated impulse voltage
   3 = pollution degree
- Observe touch-proof protection for 42 V and higher voltages!
  - 10 A (individual arrangement)
  - 5 A (block arrangement)
- Terminal blocks with an Ex mark are suitable for Ex ec IIc applications. 440 V; 17 A

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Through Terminal Blocks and Disconnect/Test Terminal Blocks

- One center and two side marker slots for WMB markers or marking strips
- Dual jumper slots in the same location as other 2002 Series terminal blocks
- Commoning options in front of or behind the knife disconnect, depending on the power supply direction

Star point jumper; insulated;  $I_N = I_N$  terminal block; light

Disconnect plug for carrier terminal blocks; suitable

2002-401

100 (25)

25

when using a carrier terminal block as disconnect

Accessories; item-specific

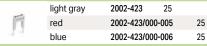
terminal block



Adjacent jumper for continuous commoning; insulated;  $I_{\text{\scriptsize N}}$  25 A; light gray

2-way **2002-400** 25

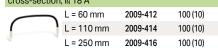




Adjacent jumper for continuous commoning; insulated;  $I_{\text{\tiny N}}$  25 A, light gray

5-way 2002-415 25

Push-in type wire jumper; insulated;  $1.5 \text{ mm}^2$  conductor cross-section;  $I_N$  18 A



Modular connector; snaps together; for jumper contact slot



WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 ... 5.2 mm

white 2009-115 1

Marking strip; plain; 11 mm wide; 50 m reel
white 2009-110 1

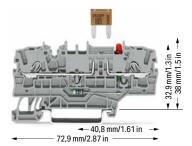
WMB marker card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm



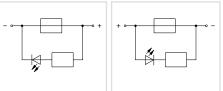


# Fuse Terminal Block TOPJOB® S; for Mini-Automotive Blade-Style Fuse; with Additional Jumper Slot

#### 2.5 (4) mm<sup>2</sup>; 2002 Series



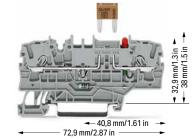




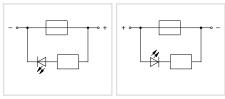
2-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point; 12 V; with blown fuse indication by LED; LED power consumption: 4.8 mA Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Uni
○ gray ⓑ	2002-1981/1000-429 4	50
gray 😡	2002-1981/1000-449	50

Other terminal blocks with the same profile:		
Through	2002-1901	Page 95

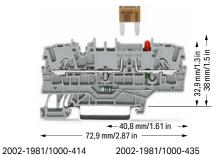






2-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point; 24 V; with blown fuse indication by LED; LED power consumption: 4.8 mA Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
○ gray ⓑ	2002-1981/1000-413	50
gray 😡	2002-1981/1000-434	50



-------

2-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point; 48 V; with blown fuse indication by LED; LED power consumption: 4.8 mA Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
○ gray ⑤	2002-1981/1000-414	50
○ gray ⑤	2002-1981/1000-435 4	50

#### Accessories; 2002 Series

00000

THIN



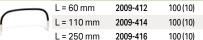
Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm² light gray 2002-171 200 (25)



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A



### Appropriate marking systems: WMB/WMB Inline/Marking strips

Push-in type j	umper bar; insula	ated; I <sub>N</sub> 25 A; li	ght gray
	2-way	2002-402	25
111	3-way	2002-403	25
IIII	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25
Push-in type ju	umper bar; insula	ated; I <sub>N</sub> 25 A; Ii	ght gray
	1 to 3	2002-433	25
F	1 to 4	2002-434	25
1. 1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 6 1 to 7	2002-436 2002-437	25 25
	1 to 7	2002-437	25

S				
	Staggered jun	nper; insulated; l	N 25 A; light gr	ay
		2-way	2002-472	25
	14444	3-way	2002-473	25
	Militar	4-way	2002-474	25
		5-way	2002-475	25
		6-way	2002-476	25
		7-way	2002-477	25
		8-way	2002-478	25
		9-way	2002-479	25
		10-way	2002-480	25
		11-way	2002-481	25
		12-way	2002-482	25
	Adjacent jump	er for continuou	is commoning	; insulated;
	I <sub>N</sub> 25 A, light g	ray		
		2-way	2002-400	25
	Ī			

Adjacent jump I <sub>N</sub> 25 A; 1 to 3	er for continuou	us commoning	ı; insu	lated;
	light gray	2002-423	25	
F	red	2002-423/000-	005	25
14	blue	2002-423/000-	006	25
Adjacent jump I <sub>N</sub> 25 A, light gr	er for continuou ray	us commoning	ı; insu	lated;



5-way **2002-415** 25

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 1 400 V/6 kV/3 2

Conductor range: 0.25 ... 4 mm² "s+f-st";

22 ... 12 AWG

250 V, 10 A \$\frac{\text{N}}{2}\$

Conductor range: 0.25 ... 4 mm² "s+f-st";

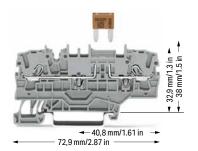
Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm² "insulat

Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted

I<sub>N</sub> 10 A 🕙

Terminal block width: 5.2 mm / 0.205 inch

10 ... 12 mm / 0.39 ... 0.47 inch



via push-in termination.

2 400 V = rated voltage
6 kV = rated impulse voltage
3 = pollution degree

- Observe touch-proof protection for 42 V and higher voltages!
  - 10 Å (individual arrangement)
  - 5 A (block arrangement)
- Terminal blocks with an Ex mark are suitable for Ex ec IIc applications. 440 V; 17 A

Blade-style fuses are not offered by WAGO.

Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Selecting the correct fuse cartridge is important for product safety within applications, as well as for fuse cartridge service life and reliability. Fuse cartridges can operate perfectly as protection (break-off point) if they are properly selected and used according to manufacturer specifications.

Nominal current ratings for fuse cartridges are defined differently in international standards.

This is why the recommended continuous current-carrying capacity of the fuses is a max. 80% of their nominal current according to DIN 72581/Part 3 (for a surrounding air temperature of 23°C).

With regard to product safety, fuse cartridges must generally be tested both under normal and faulty operating conditions within your application.

2-conductor fuse terminal block; for mini-automotive blade-style fuse; with test point; without blown fuse indication; with additional jumper slot Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

 Color
 Item No.
 Pack. Unit

 ○ gray ⑤
 2002-1981 ⑥
 50

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel;



stretchable 5 ... 5.2 mm

white

2009-115

1

\_

Marking strip; plain; 11 mm wide; 50 m reel



2009-110

WMB marker card; white; 10 strips with 10 markers/card; stretchable 5  $\dots$  5.2 mm



plain

793-5501

Double-deck marker carrier; pivoting



gray

2002-121

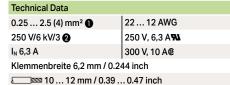
50 (25)

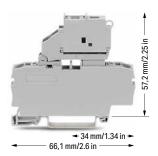
5



# Fused Disconnect Terminal Block with Pivoting Fuse Holder TOPJOB® S; for 5 x 20 mm Glass Cartridge Fuse

2.5 (4) mm<sup>2</sup>; 2002 Series





2-conductor fused disconnect terminal block with a pivoting fuse holder; for 5 x 20 mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

	Item No.	VPE
○ gray ⑤	2002-1611	50

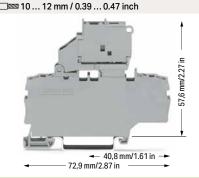
2-conductor fused disconnect terminal block with a pivoting fuse holder; for 5 x 20 mm glass cartridge fuse; with blown fuse indication by LED; gray
Electrical ratings are given by the fuse and blown fuse indication Leakage gurrant in case of a blown fuse. LED

indication. Leakage current in case of a blown fuse: LED 2 mA

$\bigcirc$	12 30 V 🗟	2002-1611/1000-541 3	50
$\bigcirc$	30 65 V 🖾	2002-1611/1000-542	50
$\bigcirc$	120 V 🕾	2002-1611/1000-867 3	50
	230 V 😡	2002-1611/1000-836	50

Other terminal blocks	with the same profile:	
Through	2002-1601	Page

End plate for fuse terminal blocks; 2 mm thick



2-conductor fused disconnect terminal block with a pivoting fuse holder; with additional jumper slot; for 5 x 20 mm glass cartridge fuse; without blown fuse indication

Electrical ratings are given by the fuse.

	Item No.	VPE
○ gray ⑤	2002-1911 3	50

2-conductor fused disconnect terminal block with a pivoting fuse holder; with additional jumper slot; for  $5 \times 20$  mm glass cartridge fuse; with blown fuse indication by LED; gray

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

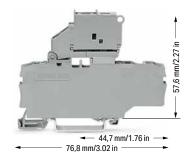
	2002-1911/1000-541	50
○ 30 65 V ⓑ	2002-1911/1000-542 3	50
○ 120 V ⓑ	2002-1911/1000-867 3	50
○ 230 V ⓑ	2002-1911/1000-836	50

Other terminal blocks	with the same profile:	
Through	2002-1901	Page

Technical Data

Klemmenbreite 6,2 mm / 0.244 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch



3-conductor fused disconnect terminal block with a pivoting fuse holder; for 5 x 20 mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

	Item No.	VPE
○ gray ⑤	2002-1711 3	50

3-conductor fused disconnect terminal block with a pivoting fuse holder; for 5 x 20 mm glass cartridge fuse; with blown fuse indication by LED; gray Electrical ratings are given by the fuse and blown fuse

indication. Leakage current in case of a blown fuse: LED 2 mA

○ 12 30 V ⑤	2002-1711/1000-541 3	50
○ 30 65 V ⓑ	2002-1711/1000-542 3	50
○ 120 V ⓑ	2002-1711/1000-867 3	50
○ 230 V  ⑤	2002-1711/1000-836	50

Other terminal blocks with the same profile:			
Through	2002-1701	Page	

Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

2004-402

2004-403

25

Push-in type jumper bar; insulated; I<sub>N</sub> 32 A; light gray

2-way

	orange	2002-992	100 (25)
	gray	2002-991	100 (25)
Insulation sto	p; 5 pcs/strip; 0	.25 0.5 mm²	
	light gray	2002-171	200 (25)
mm			
Insulation sto	p; 5 pcs/strip; 0	.75 1 mm²	
	dark gray	2002-172	200 (25)
00000			
	ırning marker; w terminal blocks		voltage
	yellow	2002-115	100 (25)
THUTT			
Push-in type cross-section	wire jumper; ins n; I <sub>N</sub> 18 A	ulated; 1.5 mm	<sup>2</sup> conductor
	L = 60 mm	2009-412	100 (10)

L = 110 mm

L = 250 mm

22.75	3-way	2004-403	25
FITT	4-way	2004-404	25
	5-way	2004-405	25
	6-way	2004-406	25
	7-way	2004-407	25
	8-way	2004-408	25
	9-way	2004-409	25
	10-way	2004-410	25
Push-in type	jumper bar; ins	ulated; I <sub>N</sub> 32 A;	light gray
	1 to 3	2004-433	25
T.	1 to 4	2004-434	25
3. 1	1 to 5	2004-435	25
	1 to 6	2004-436	25
	1 to 7	2004-437	25
	1 to 8	2004-438	25
	1 to 9	2004-439	25
	1 to 10	2004-440	25



2009-414

2009-416

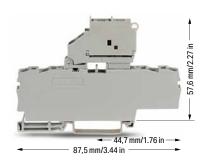
100 (10)

100 (10)

#### **Technical Data**

Klemmenbreite 6,2 mm / 0.244 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch



4-conductor fused disconnect terminal block with a pivoting fuse holder; for 5 x 20 mm glass cartridge fuse; without blown fuse indication Electrical ratings are given by the fuse.

	Item No.	VPE
○ gray ⑤	2002-1811 3	50

4-conductor fused disconnect terminal block with a pivoting fuse holder; for 5 x 20 mm glass cartridge fuse; with blown fuse indication by LED; gray Electrical ratings are given by the fuse and blown fuse

indication. Leakage current in case of a blown fuse: LED 2 mA

○ 12 30 V 🗟	2002-1811/1000-541 3	50
○ 30 65 V ⓑ	2002-1811/1000-542	50
○ 120 V ⓑ	2002-1811/1000-867	50
○ 230 V ⓑ	2002-1811/1000-836	50

Other terminal blocks	with the same profile:	
Through	2002-1801	Page

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

250 V = rated voltage6 kV = rated impulse voltage3 = pollution degree

Terminal blocks with an Ex mark are suitable for Ex ec IIc applications. 250 V; 6.3 A

Please observe the application notes: Jumpers, page 164 Marking, from page 246

A protective warning marker and an insulation stop must be applied individually. Due to the 6.2 mm width of fused disconnect terminal blocks with end plates, 2004 Series Push-In Type Jumper Bars must be used.

Approvals and corresponding ratings, visit www.wago.com



Fused disconnect terminal block with a pivoting fuse holder – pivoting the fuse holder into the locked open position.



Fuse terminal blocks with a width of 6.2 mm can be assembled adjacently. If there is no adjacent fuse terminal block at the end of the assembly, an end plate must be used

#### Glass cartridge fuse 5 x 20 Short circuit Item No. short circuit protection protection only Individual Group Individual Group argmt. argmt. Fuse terminal blocks 2002-1611 2002-1711 1.6 W 1.6 W 2.5 W 2.5 W 2002-1811 2002-1611/....-.. 2002-1711/....-... 1.6 W 1.6 W 2 5 W 2 5 W 2002-1811/....-....

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.



Fused disconnect terminal block with a pivoting fuse holder – fuse replacement: Open the cover to replace the fuse.

#### Glass cartridge fuses 5 x 20

Series Item No.	Overload and short circuit protection		Short protecti	circuit ion only
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
	Fuse terminal blocks			
2002-1911	1.6 W	1.6 W	2.5 W	2.5 W
2002-1911/	1.6 W	1.6 W	2.5 W	2.5 W

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.



### Disconnect Terminal Block, Ground Conductor Disconnect Terminal Block, Carrier Terminal Block, Through Terminal Block TOPJOB® S

6 (10) mm<sup>2</sup>; 2006 Series

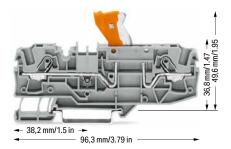
**Technical Data** 0.5 ... 6 (10) mm<sup>2</sup> 20 ... 8 AWG 800 V/8 kV/3 2 600 V, 30 A 👊 I<sub>N</sub> 30 A 600 V, 30 A@ Terminal block width: 7.5 mm / 0.295 inch □ 13 ... 15 mm / 0.51 ... 0.59 inch

**Technical Data** 0.5 ... 6 (10) mm<sup>2</sup> 20 ... 8 AWG

Terminal block width: 7.5 mm / 0.295 inch

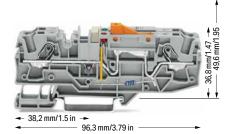
□ 13 ... 15 mm / 0.51 ... 0.59 inch

**Technical Data** 0.5 ... 6 (10) mm<sup>2</sup> 20 ... 8 AWG 800 V/8 kV/3 2 600 V, 30 A 👊 I<sub>N</sub> 30 A 600 V, 30 A@ Terminal block width: 7.5 mm / 0.295 inch □ 13 ... 15 mm / 0.51 ... 0.59 inch



#### 2-conductor disconnect terminal block; with test point; orange disconnect link

Color	Item No.	Pack. Unit
gray	2006-1671	25
blue	2006-1674	25



#### Ground conductor disconnect terminal block; with test point; orange disconnect link; gray

item No.	rack. Utili
2006-1671/1000-848	12
2006-1671/1000-849	12
2006-1671/1000-850	12
2006-1671/1000-851	12
	2006-1671/1000-848 2006-1671/1000-849 2006-1671/1000-850

- 38,2 mm/1.5 in -	96,3 mm/3.79 in			
2-conductor carrier terminal block; with test point				
Color	Item No.	Pack, Unit		

2006-1661

2006-1664

25

25

Other terminal blocks with the same profile:			
Through	2006-1601	Page 101	

Other terminal blocks with the same profile:			
Through	2006-1601	Page 101	

Other terminal blocks	with the same profile:	
Through	2006-1601	Page 101

#### Accessories; item-specific Push-in type jumper bar; insulated; I<sub>N</sub> 41 A; light gray 2-way 2006-402 25 2006-403 25 3-way 25 4-way 2006-404 2006-405 25 5-way Push-in type jumper bar; insu ated; I<sub>N</sub> 41 A; light gray 1 to 3 2006-433 25 2006-434 1 to 4 25 1 to 5 2006-435 25 Star point jumper; insulated; $I_N = I_N$ terminal block; light 1-3-5 2006-405/011-000 25

### Accessories; item-specific

Push-in type jumper bar; insulated; I<sub>N</sub> 41 A; light gray



2-way 2006-402 25

Accessories; item-specific Push-in type jumper bar; insulated; I<sub>N</sub> 41 A; light gray 2-way 2006-402 25 2006-403 25 3-way 25 4-way 2006-404 2006-405 25 5-way Push-in type jumper bar; insu ated; I<sub>N</sub> 41 A; ight gray 1 to 3 2006-433 25 2006-434 25 1 to 4 1 to 5 2006-435 25 Star point jumper; insulated;  $I_N = I_N$  terminal block; light 1-3-5 2006-405/011-000 25



gray

blue

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



2006-401 100 (25)

Blind plug for carrier terminal block; indicates a disconnection



red

2006-451 100 (25)

Accessories; 2006 Series

Appropriate marking systems: WMB/Marking strips

End and intermediate plate; 1 mm thick orange 2006-1692 100 (25) 2006-1691 100 (25)



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks yellow 100 (25)



50 (25)

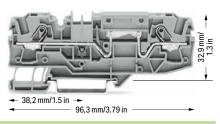
2006-115



#### **Technical Data**

Terminal block width: 15 mm / 0.591 inch

**2** ■ 13 ... 15 mm / 0.51 ... 0.59 inch



2-conductor through terminal block; with test point; same profile as 2-conductor disconnect terminal block

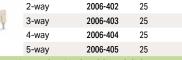
Color	Item No.	Pack. Unit
gray	2006-1601	25
blue	2006-1604	25

#### Other terminal blocks with the same profile:

Carrier	2006-1661	Page 100
Fuse	2006-1681	Page 102
Disconect	2006-1671	Page 100

#### Accessories; item-specific

#### Push-in type jumper bar; insulated; I<sub>N</sub> 41 A; light gray



2006-405/011-000

#### Push-in type jumper bar; insulated; $I_N$ 41 A; light gray



Star point jumper; insulated;  $I_N$  =  $I_N$  terminal block; light gray

1-3-5

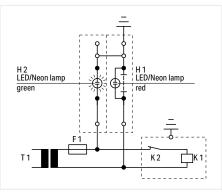


Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

800 V = rated voltage
 8 kV = rated impulse voltage
 3 = pollution degree

Please observe the application notes: Jumpers, from page 163 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



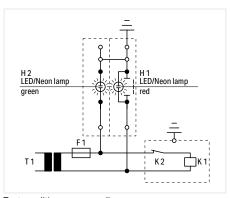
Operating condition

Slide link closed, auxiliary circuit grounded, green LED/neon lamp illuminates.

IEC 60204/DIN VDE 0113 "Safety of machinery – Electrical equipment of machines – Part 1: General requirements," Section 9.4.3.1:

Ground faults on control circuits must not cause unintentional starting, hazardous movements, or prevent stopping of the machine.

In order to fulfill this requirement, a connection to the protective bonding circuit must be provided in accordance with Section 8.2 and the devices must be connected as described in Section 9.1.4. Control circuits fed from a transformer and not connected to the protective bonding circuit must be provided with an insulation monitoring device (e.g., residual current device), which either indicates a ground fault or interrupts the circuit automatically after a ground fault.

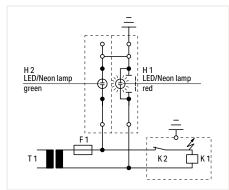


Test condition – no grounding

Slide link open, auxiliary circuit not grounded.

In the case of electronic circuits, the connection of one side of the control circuit to the protective bonding circuit in accordance with Section 9.1.4 can prevent unintentional operation. When this does not help, or if due to other reasons that electronic circuits cannot be connected to the protective bonding circuit, other measures must be taken to achieve the same level of safety.

Multipole control switches that interrupt all live conductors must be used where the control circuit is directly connected between the phase conductors of the supply or between a phase conductor and a neutral conductor, which is either not grounded or grounded through a high impedance. This is required for starting or stopping machine functions, which can cause a hazardous situation including: damaging the machine or halting work in progress in the event of unintentional starting or failure to stop.



Test condition - grounding

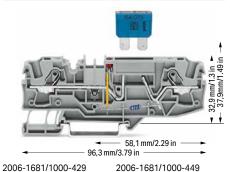
Slide link open, auxiliary circuit not grounded, red LED/neon lamp illuminates.

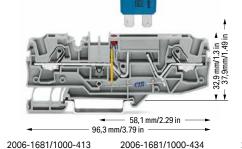


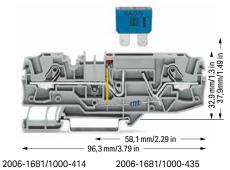
Ground conductor disconnect terminal block - top view

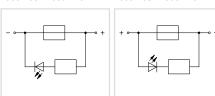


# Fuse Terminal Block for Automotive Blade-Style Fuse TOPJOB® S 6 (10) mm<sup>2</sup>; 2006 Series









2-conductor fuse terminal block for automotive bladestyle fuse; with test point; 12 V; with blown fuse indication by LED; LED power consumption: 4.8 mA Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2006-1681/1000-429	25
O grav	2006-1691/1000-449	25

Page 101

Other terminal blocks with the same profile:
Through 2006-1601

2-conductor fuse terminal block for automotive bladestyle fuse; with test point; 24 V; with blown fuse indication by LED; LED power consumption: 4.8 mA Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

protection for 42 v and higher voltages:			
Color Item No. Pack.			
gray	2006-1681/1000-413	25	
gray	2006-1681/1000-434	25	

2-conductor fuse terminal block for automotive bladestyle fuse; with test point; 48 V; with blown fuse indication by LED; LED power consumption: 4.8 mA Electrical ratings are given by the fuse and blown fuse indication. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

Color	Item No.	Pack. Unit
gray	2006-1681/1000-414	25
gray	2006-1681/1000-435	25

#### Accessories; 2006 Series

 End and intermediate plate; 1 mm thick

 orange
 2006-1692
 100 (25)

 gray
 2006-1691
 100 (25)

	orange	2006-1692	100 (25)
	gray	2006-1691	100 (25)
Push-in type	jumper bar; insu	lated; I <sub>N</sub> 41 A; I	ight gray
	2-way	2006-402	25
LEV	3-way	2006-403	25
TITT	4-way	2006-404	25
	5-way	2006-405	25
Push-in type	jumper bar; insu	lated; I <sub>N</sub> 41 A; I	ight gray
	1 to 3	2006-433	25
1	1 to 4	2006-434	25

Protective warning marker; with black high-voltage

2006-435

2006-115

25

100 (25)

1 to 5

symbol; for 5 terminal blocks

Appropriate marking systems: WMB/Marking strips

Marking strip	o; plain; 11 m	m wide; 50 m reel	
0.	white	2009-110	1
0.	white	2009-110	1

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable plain 793-5501 5

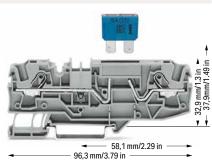
Double-deck	marker carrier;	oivoting	
فتع	gray	2002-121	50 (25)



**Technical Data** 

Terminal block width: 7.5 mm / 0.295 inch

13 ... 15 mm / 0.51 ... 0.59 inch



- Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 LED power consumption: 4.8 mA

Blade-style fuses are not offered by WAGO. Thermal automotive circuit breakers are not offered by WAGO.

WAGO. The commendation of the property of the circuit breakers from the circuit breakers are not offered by WAGO.

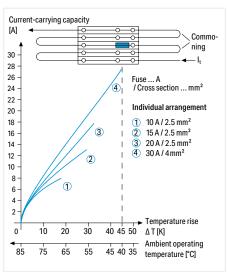
WAGO recommends automotive circuit breakers from ETA.

Please observe the application notes: Marking, from page 246

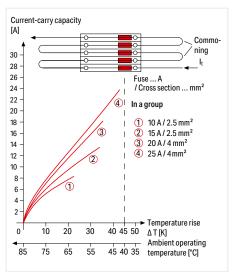
Approvals and corresponding ratings, visit www.wago.com

2-conductor fuse terminal block for automotive bladestyle fuse; with test point; without blown fuse indication; Electrical ratings are given by the fuse. Blade-style fuses: Observe touch-proof protection for 42 V and higher voltages!

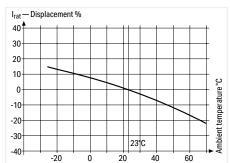
Color	Item No.	Pack. Unit
gray	2006-1681	25



Application Notes on Fuse Terminal Blocks Diagram: Individual arrangement



Application Notes on Fuse Terminal Blocks Diagram: Block arrangement

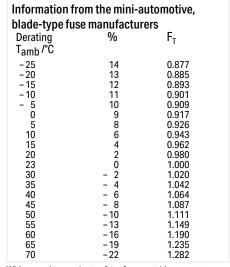


#### Application Notes on Fuse Terminal Blocks

Nominal current ratings for fuse cartridges are defined differently in international standards.

This is why the recommended continuous current-carrying capacity of the fuses is a max. 80% of their nominal current according to DIN 72581/Part 3 (for an surrounding air temperature of 23°C).

Selecting the correct fuse cartridge is important for product safety within applications, as well as for fuse cartridge service life and reliability. Fuse cartridges will only operate perfectly as protection components (break-off point) if they are properly selected and used as intended (i.e., according to the state of the technology and valid specifications, as well as data sheet characteristics), according to basic safety requirements (i.e., persons, animals and property must be protected against hazards).



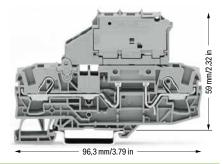
With regard to product safety, fuse cartridges must generally be tested both under normal and faulty operating conditions within your application.



# Fused Disconnect Terminal Block with Pivoting Fuse Holder TOPJOB® S; for 5 x 20 mm, 5 x 30 mm and $\frac{1}{4}$ " x $1\frac{1}{4}$ " Glass Cartridge Fuse

6 (10) mm<sup>2</sup>; 2006 Series

Technical Data		
` '	20 8 AWG	
800 V/8 kV/3 2	600 V, 15 A <b>RA</b>	
I <sub>N</sub> 10 A	600 V, 15 A@	
Terminal block width: 7.5 mm / 0.295 inch		
13 15 mm / 0.51 0.59 inch		



2-conductor fused disconnect terminal block with a pivoting fuse holder; without blown fuse indication Electrical ratings are given by the fuse.

#### for 5 x 20 mm glass cartridge fuse

Color	Item No.	Pack. Unit
O grav	2006-1611	25

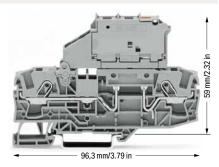
for 5 x 30 mm glass cartridge fuse		
gray	2006-1621	25

for 1/4" x 11/4" glass car	tridge fuse	
gray	2006-1631	25

Other terminal blocks with the same profile:		
Through	2006-1601	Page 101

Accessories; 2006 Series

Terminal block width: 7.5 mm / 0.295 inch
3 ... 15 mm / 0.51 ... 0.59 inch



2-conductor fused disconnect terminal block with a pivoting fuse holder; gray; with blown fuse indication by LED Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

for 5 x 20 mm glass cartridge fuse

	Item No.	Pack. Unit
○ 1230 V	2006-1611/1000-541	25
○ 30 65 V	2006-1611/1000-542	25
○ 120 V	2006-1611/1000-867	25
O 230 V	2006-1611/1000-836	25

101 5 x 30 mm glass callinge luse		
○ 1230 V	2006-1621/1000-541	25
○ 30 65 V	2006-1621/1000-542	25
O 230 V	2006-1621/1000-836	25
○ 380 500 V	2006-1621/1000-859	25

for 1/4" x 11/4" glass cartridge fuse		
○ 1230 V	2006-1631/1000-541	25
○ 30 65 V	2006-1631/1000-542	25
○ 120 V	2006-1631/1000-867	25
230 V	2006-1631/1000-836	25
○ 380 500 V	2006-1631/1000-859	25

Other terminal blocks	with the same profile:	
Through	2006-1601	Page 101

Appropriate marking systems: WMB/Marking strips

End and intermediate plate; 1 mm thick
orange 2006-1692 100 (25)
gray 2006-1691 100 (25)

orange 2006-992 100 (25)
gray 2006-991 100 (25)

Push-in type jumper bar; insulated; I<sub>N</sub> 41 A; light gray

2-way 2006-402 25

3-way 2006-403 25

4-way 2006-404 25

5-way 2006-405 25

5-way 2006-405 25

Push-in type jumper bar; insulated; I<sub>N</sub> 41 A; light gray

1 to 3 2006-433 25

1 to 4 2006-434 25

1 to 5 2006-435 25

Star point jumper; insulated;  $I_N = I_N$  terminal block; light gray

1-3-5 2006-405/011-000 25

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2006-115 100 (25)

yellow 2006-115

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V red 210-136 50 (1)

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

plain 793-5501 5

Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree

Please observe the application notes: Jumpers, from page 163 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Fused disconnect terminal block with a pivoting fuse holder - pivoting the fuse holder into the locked open position.



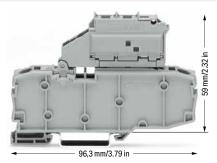
Fused disconnect terminal block with a pivoting fuse holder – fuse replacement: Open the cover to replace the fuse



# Fused Disconnect Terminal Block with Pivoting Fuse Holder TOPJOB® S; for $\frac{1}{4}$ " x $1\frac{1}{4}$ " Glass Cartridge Fuse

6 (10) mm<sup>2</sup>; 2006 Series

Technical Data		
0.5 6 (10) mm <sup>2</sup>	20 8 AWG	
800 V/8 kV/3 <b>2</b>	600 V, 15 A <b>SN</b>	
I <sub>N</sub> 10 A	600 V, 15 A@	
Terminal block width: 10.4 mm / 0.409 inch		
13 15 mm / 0.51 0.59 inch		



Fused disconnect terminal block with a pivoting fuse holder and end plate; without blown fuse indication Electrical ratings are given by the fuse.

for 1/4" x 11/4" glass cartridge fuse

Color	Item No.	Pack. Unit
□ grav	2006-1631/099-000	25

2006-1601

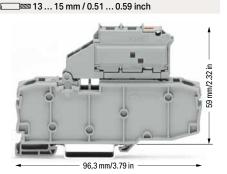
 Technical Data

 0.5 ... 6 (10) mm² ↑
 20 ... 8 AWG

 800 V/8 kV/3 ②
 30 V, 15 AN

 I<sub>N</sub> 10 A
 30 V, 15 A®

 Terminal block width: 10.4 mm / 0.409 inch



Fused disconnect terminal block with a pivoting fuse holder and end plate; gray; with blown fuse indication by LFD.

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

for 1/4" x 11/4" glass cartridge fuse

	Item No.	Pack. Unit
○ 1230 V	2006-1631/1099-541	25
○ 30 65 V	2006-1631/1099-542	25
○ 120 V	2006-1631/1099-867	25
230 V	2006-1631/1099-836	25
○ 380 500 V	2006-1631/1099-859	25

Other terminal blocks	with the same profile:	
Through	2006-1601	Page 101

Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree

Please observe the application notes: Jumpers, from page 163 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Pivoting fuse holder with spare fuse holder

#### Accessories; 2006 Series

Through

Other terminal blocks with the same profile:

Appropriate marking systems: WMB/Marking strips

Page 101

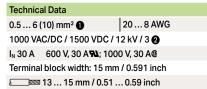
End plate for fuse terminal blocks; 2 mm thick				
	orange	2006-992	100 (25)	
The same of the sa	gray	2006-991	100 (25)	
Push-in type	Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray			
	1 to 3	2002-433	25	
	1 to 5	2002-435	25	
1 1	1 to 7	2002-437	25	
	1 to 9	2002-439	25	
Star point ju gray	mper; insulate	d; $I_N = I_N$ termina	l block; light	
TOTAL	1-3-5	2002-405/01	<b>1-000</b> 25	
3				
	arning marker 5 terminal bloc	; with black high ks	-voltage	
			-voltage 100 (25)	
	terminal bloc	ks	Ü	
symbol; for 8	terminal bloc yellow	ks	100 (25)	
symbol; for 8	terminal bloc yellow	ks 2006-115	100 (25)	
symbol; for s	th 500 mm catered	ks 2006-115 ole; 2 mm Ø; ma.	100 (25) x. 42 V 50 (1)	

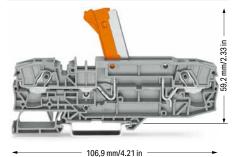
#### Glass cartridge fuses

Series Item No.		Overload and short circuit protection		Short circuit protection only	
		Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
	Fused disconnect terminal blocks				
2006-1611	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-1621	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-1631	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-1631 /099 2006-1631	10.4	2.5 W	2.5 W	2.5 W	2.5 W
/1099	10.4	2.5 W	2.5 W	2.5 W	2.5 W

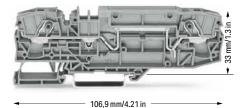
When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.

# Disconnect/Test Terminal Block, Carrier Terminal Block, Through Terminal Block TOPJOB® S 6 (10) mm²; 2006 Series





- 33 mm/1,3 in •



-conductor disconnect/test terminal block; with test	
oint; orange disconnect link	

Color	Item No.	Pack. Unit
gray	2006-8671	12
blue	2006-8674	12

→ 106,9 mm/4.21 in — 2-conductor carrier terminal block; with test point

Color	Item No.	Pack. Unit
gray	2006-8661	12
blue	2006-8664	12

2-conductor through terminal block; with test point; same profile as 2-conductor disconnect terminal block

Color Item No. Pack. Unit

gray 2006-8601 12

2006-8604

blue

12

#### Accessories; item-specific

Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block



prange **2006-8401** 48 (12)

#### Accessories; 2006 Series

End and intermediate plate; 1 mm thick

orange 2006-8692 48 (12)
gray 2006-8691 48 (12)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2006-115 100 (25)



Push-in type jumper bar; insulated; I<sub>N</sub> 41 A; light gray

1 to 3 2006-433 25 1 to 5 2006-435 25

Lockout cap; for conductor entry and operating slot
gray 2006-191 25



Appropriate marking systems: WMB/Marking strips

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable



white 2009-115

Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

WMB marking card; plain; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable



yellow	793-5501/000-002	5
red	793-5501/000-005	5
blue	793-5501/000-006	5
gray	793-5501/000-007	5
orange	793-5501/000-012	5
light green	793-5501/000-017	5
green	793-5501/000-023	5
violet	793-5501/000-024	5

- Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 1000 VAC/DC = rated voltage 1500 VDC
   12 kV = rated impulse voltage 3 = pollution degree (see Section 14)

Please observe the application notes: Marking, from page 246

Protective warning markers must be applied individually.

Approvals and corresponding ratings, visit www.wago.com

Both 2006-8671 and 2006-8661 Disconnect Terminal Blocks are specially designed for use in photovoltaic and wind power systems, where voltages exceeding 1,000 V (IEC) and 600 V (UL) occur (e.g., generator junction boxes).

- · Ideal for high voltages in renewable energy applications
- Disconnect terminal blocks with two alternative disconnect options:

with orange knife disconnect (2006-8671) with orange disconnect plug (2006-8661)

- These 2006 Series terminal blocks are approved for 1,500 VDC (IEC) or 1,000 VDC (UL) and 30 A.
- With a terminal block width of 15 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm² (AWG 8) and 6 mm² (AWG 10) for ferruled conductors.
- Equipped with two test slots
- Compatible with through terminal blocks of the same profile and all other terminal blocks TOPJOB® S



Disconnect/test terminal block with knife disconnect (2006-8671) in disconnect position



Carrier terminal block with disconnect plug (2006-8401) in operating position



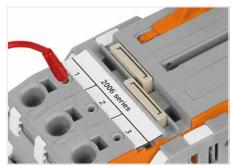
Carrier terminal block with disconnect plug (2006-8401) in parked position



Commoning a 15 mm-wide terminal block via push-in type jumper bars: 1 to 3 (2006-433) and 1 to 5 (2006-435).



Cover (2006-191) seals unused conductor entry.



Test slots on both terminal block sides allow for direct measurement.



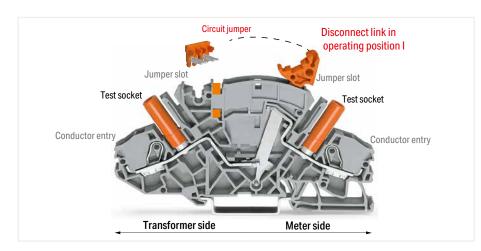
Test slots on both terminal block sides allow for direct measurement.



Alternatively, measurement can also be performed using Connectors (2006-511) from terminal block 1 to 2. Spacer modules (2006-549) must be used to compensate for the 15 mm terminal block width.



### Current Transformer Terminal Blocks TOPJOB® S, 2007-8821 (Orange Disconnect Link)



Circuit jumper

Disconnect link in shorting position II

Jumper slot

Test socket

Conductor entry

Transformer side

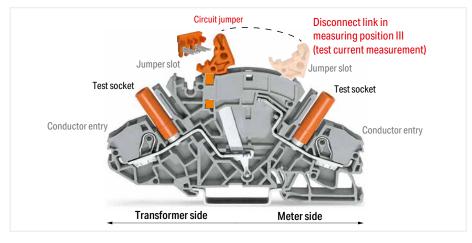
Meter side

Current Transformer (Disconnect/Test) Terminal Block (2007-8821) is designed for current transformer circuits.

First, the current transformer is shorted via disconnect link and circuit jumper (insert jumper, move disconnect link from operating position I to shorting position II, activate shorting path). Connecting a measurement device via test socket on the meter side can only be performed once circuit disconnection is complete (disconnect link in measuring position III).

#### Advantages:

- Top-of-unit circuit jumper slot for shorting path activation
- Disconnect link provides intuitive and easy operation, as well as exact switching status indication.
- Combines high functionality with compact design (99.6 mm long and 8 mm wide).
- All 2007 Series terminal blocks are rated at 30 A/500 V (IEC) and 300 V (UL).
- With a terminal block width of 8 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm<sup>2</sup> (8 AWG) and 6 mm<sup>2</sup> (10 AWG) for ferruled conductors.
- Touch-proof test sockets for 4 mm Ø test plugs on transformer and meter side.
- Compatible with through and ground conductor terminal blocks having the same profile.





Preparing shorting path for the current transformer circuits.



Insert insulated, touch-proof circuit jumpers into jumper



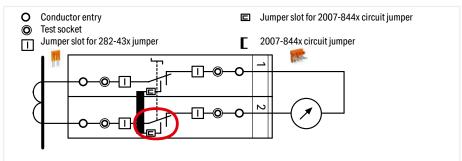
Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultaneously.



### Implementing a Current and Voltage Transformer Circuit TOPJOB® S



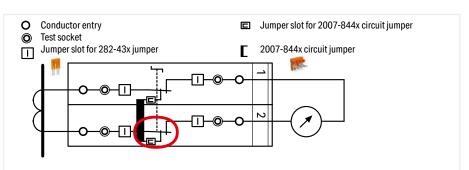
Disconnect link in operating position I
Terminal blocks required:
2 x disconnect/test terminal block (2007-8821)
1 x circuit jumper, orange (2007-8442)
Locking covers or interlocking links (option)



In the operating position, the measurement device is connected to the transformer, the circuit jumper is inserted and the disconnect link is in position I.



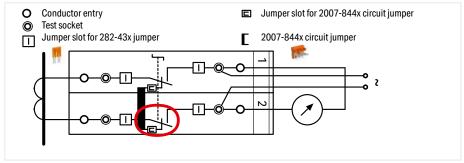
Disconnect link in shorting position II



The transformer is not disconnected from the measuring device yet, the shorting path is activated by moving the disconnect link into shorting position II and the transformer is safely shorted.



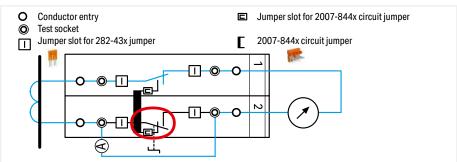
Test current measurement: Disconnect link in measuring position III



The measuring device is electrically disconnected from the transformer. If required, an external voltage can be applied to the measuring device via the test socket.



Measurement testing (using both test sockets)
Terminal block 1: Disconnect link in operating position I
Terminal block 2: Disconnect link in measuring position III



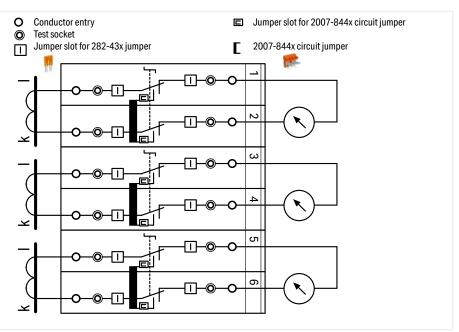
Measurement testing: First insert the reference current meter (A) into the test socket, then move the disconnect link into measurement point III (test current measurement).

### Examples for Current Transformer Circuits TOPJOB® S



Measuring set for a three-phase current transformer Terminal blocks required:

- 6 x disconnect/test terminal block (2007-8821)
- 3 x circuit jumper, orange (2007-8442)
- In addition: interlocking link, locking cover, lock-out



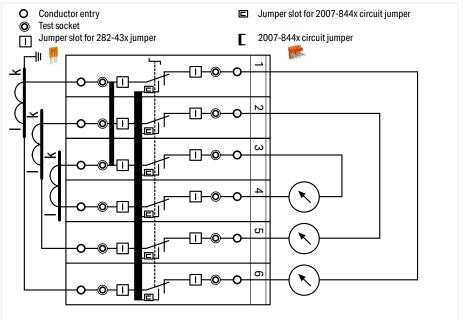
Pairs of disconnect links are interconnected via locking cover or interlocking link. Measurement testing is performed after the interlocking is released.



Measuring set for a three-phase current transformer with 'Y' point

Terminal blocks required:

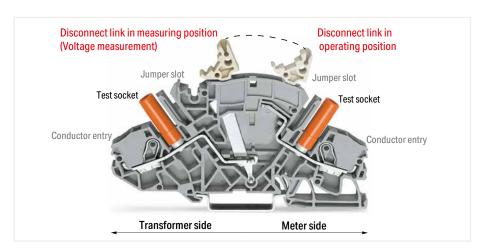
- 6 x disconnect/test terminal block (2007-8821)
- 1 x circuit jumper, orange (2007-8446)
- 1 x jumper, orange (282-433)
- In addition: interlocking link, locking cover, lock-out



All six disconnect links are interconnected via locking cover or interlocking link.



### Voltage Transformer Terminal Blocks TOPJOB® S, 2007-8811 (Light Gray Disconnect Link)



Voltage Transformer (Disconnect/Test) Terminal Block (2007-8811) is designed for current transformer circuits.

First, disconnect the voltage transformer from the circuit (move disconnect link from operating position to measurement position). Connecting a measurement device via test socket on the meter side can only be performed after disconnection is complete (measuring position).

#### Advantages:

- For voltage transformer circuits (no circuit jumper slot required as for 2007-8821 Current Transformer Terminal Block)
- Disconnect link provides intuitive and easy operation, as well as exact switching status indication.
- Combines high functionality with compact design (99.6 mm long and 8 mm wide).
- All 2007 Series terminal blocks are rated at 30 A/500 V (IEC) and 300 V (UL).
- With a terminal block width of 8 mm, the maximum cross-section for solid and fine-stranded conductors is 10 mm<sup>2</sup> (8 AWG) and 6 mm<sup>2</sup> (10 AWG) for ferruled con-
- Touch-proof test sockets for 4 mm Ø test plugs on transformer and meter side.
- Compatible with through and ground conductor terminal blocks having the same profile.

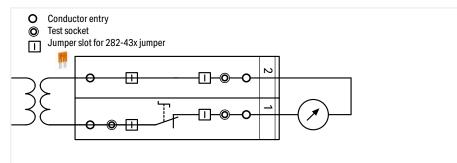


Example for voltage transformer testing:

Measuring set for single-phase voltage transformer test-

Terminal blocks required:

- 1 x disconnect/test terminal block (2007-8811)
- 1 x through terminal block (2007-8801)
- 1 x end plate, orange (2007-8892)
- · In addition: locking cover, lock-out



Disconnecting the voltage transformer from the circuit: Move disconnect link from operating position to measurement

Voltage measurement: Connecting a measurement device via test socket on the meter side can only be performed after disconnection is complete (measuring point).



Marking via WMB Multi markers or marking strips.



Additional commoning option on the transformer side



Multipole switching via snap-on type, transparent (locking) cover for disconnect links.



## Disconnect/Test Terminal Block, Through Terminal Block, Ground Conductor Terminal Block TOPJOB® S; for Current and Voltage Transformer Circuits

6 mm<sup>2</sup>; 2007 Series



Terminal block width: 8 mm / 0.315 inch □ 13 ... 15 mm / 0.51 ... 0.59 inch



2-conductor disconnect/test terminal block; e.g., current transformer circuits; with circuit jumper slot; with touchproof test sockets; for 4 mm Ø test plugs

Color	Item No.	Pack. Unit
gray	2007-8821	20

**Technical Data** 0.5 ... 6 (10) mm<sup>2</sup> 20 ... 8 AWG 500 V/6 kV/3 2 300 V, 30 A 71  $I_N 30 A$ 

Terminal block width: 8 mm / 0.315 inch □ 13 ... 15 mm / 0.51 ... 0.59 inch

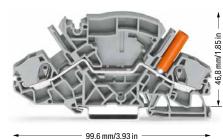


Disconnect/test terminal block; e.g., for voltage transformer circuits; with touch-proof test sockets; for 4 mm Ø test plugs

Color	Item No.	Pack. Unit
gray	2007-8811	20

**Technical Data** 0.5 ... 6 (10) mm<sup>2</sup> 20 ... 8 AWG 500 V/6 kV/3 2 300 V, 30 A 74X I<sub>N</sub> 30 A Terminal block width: 8 mm / 0.315 inch

2 13 ... 15 mm / 0.51 ... 0.59 inch

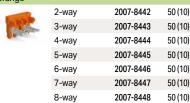


2-conductor through terminal block; with touch-proof test socket; for 4 mm Ø test plugs

Color	Item No.	Pack. Unit
gray	2007-8801	20
blue	2007-8804	20

### Accessories; item-specific

Ajacent jumper for switching lever; insulated; I<sub>N</sub> 30 A; orange

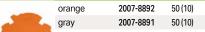


Accessories; 2007 Series

Appropriate marking systems: WMB/Marking strips

Jumper; insulated; I<sub>N</sub> 30 A; orange

### End and separator plate; 1.5 mm thick; without lock-out seal option

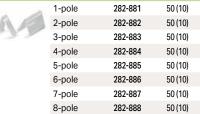


End and separator plate; 1.5 mm thick; with lock-out seal



Lock-out device; for disconnect link				
2	yellow	2007-8899	100 (20)	

## Locking cover; mechanically locks multiple links; trans-



50 (10) 2-way 282-432 282-433 50 (10) 3-way 282-434 50 (10) 4-way 282-435 5-way 50 (10) 282-436 50 (10) 6-way 7-way 282-437 50 (10) 282-438 50 (10) 8-way 282-439 50 (10) 9-wav 282-440 10-way 50 (10)

Jumper	WILLI	arety na, msaiat	eu, in 30 A, orange	
	1000	2-way	282-432/100-000	50 (10)
	H	3-way	282-433/100-000	50 (10)
1111	MI	4-way	282-434/100-000	50 (10)
Interlocking link; mechanically locks multiple links; 1 m				

ng			
	transparent	210-254	1
A STATE OF THE PARTY OF THE PAR			

Jumper; insulated; I <sub>N</sub> 30 A; orange				
Character St.	1-3	282-433/011-0	00	50 (10)
Hall of	1-3-5	282-435/011-0	00	50 (10)
11 11	1-4-5	282-435/301-0	00	50 (10)
	1-3-4-5	282-435/300-0	00	50 (10)
	1-2-4-6	282-436/301-0	00	50 (10)
	1-4-6	282-436/304-0	00	50 (10)
	1-3-5-7	282-437/011-0	00	50 (10)
	1-4-7	282-437/012-0	00	50 (10)
	1-2-5-8	282-438/300-0	00	50 (10)
	1-4-7-8	282-438/301-0	00	50 (10)
	1-3-5-7-9	282-439/011-0	00	50 (10)
Protective warning marker; with black high-voltage symbol; for 5 terminal blocks				
	vellow	2006-115	100 (	25)



WMB marking card; white; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm 793-5501 plain 5

2009-110



**Technical Data** 

0.5 ... 6 (10) mm<sup>2</sup>

20 ... 8 AWG

Terminal block width: 8 mm / 0.315 inch

 $\blacksquare$  13 ... 15 mm / 0.51 ... 0.59 inch



Push-in termination: 2.5 ... 10 mm<sup>2</sup> "s" and 2.5 ... 6 mm<sup>2</sup> "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

Conductor range: 0.5 ... 10 mm<sup>2</sup> "s+f-st";

2 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree (see Section 14)

> Please observe the application notes: Marking, from page 246

> Approvals and corresponding ratings, visit www.wago.com



Marking via WMB Multi markers or marking strips.

2-conductor ground terminal block; with touch-proof test socket; for 4 mm Ø test plugs





Lock-out prevents accidental operation of disconnect link.



Lock-out snaps into one of two notched positions.

WMB marking card; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm; yellow

k/I (50x)

794-5553/000-002

5

5

WMB marking card; 10 strips with 10 markers/card; stretchable 5 ... 5.2 mm; blue



794-5554/000-006



Interlocking link mechanically locks multiple links for multipole switching applications.



A lock-out seal can be used on the disconnect link in operating position I in combination with an end and separator plate (2007-8893 or 2007-8894).

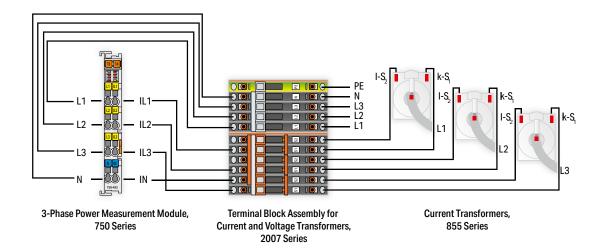


# Terminal Block Assembly TOPJOB® S; for Current and Voltage Transformers 6 (10) mm²; 2007 Series





Item No. for 2007-8873 Designation	Quantity
249-117	2
Screwless end stop; 10 mm wide	
282-882	3
Locking cover; mechanically locks multiple links, 2-pole	
282-884	1
Locking cover; mechanically locks multiple links, 4-pole	
2007-8442	3
Circuit jumper; insulated; 2-way	
2007-8807	1
2-conductor ground terminal block; with touch-proof test socket; for 4 mm Ø	
test plugs	
2007-8811	4
2-conductor disconnect/test terminal block; with touch-proof test sockets; for	
4 mm Ø test plugs	
2007-8821	6
2-conductor disconnect/test terminal block; with touch-proof test sockets; for	
4 mm Ø test plugs	
2007-8892	2
End and separator plate; 1.5 mm thick; without lock-out seal option	
2009-115	21
WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 5.2 mm stretch-	markers
able	
282-435/011-000	1
Jumper; insulated; 1-3-5	



Assembly width incl. end stop: 11.2 cm





Item No. for 2007-8876	Quantity
Designation	
249-117	2
Screwless end stop; 10 mm wide	
282-369 Collective jumper carrier; for DIN-35 rail; compatible with jumpers for transverse switching terminal block (282-811) and longitudinal switching disconnect terminal block (282-821)	1
282-882 Locking cover; mechanically locks multiple links, 2-pole	3
2007-8442 Circuit jumper; insulated; 2-way	3
2007-8821 2-conductor disconnect/test terminal block; with touch-proof test sockets; for 4 mm $\emptyset$ test plugs	6
2007-8892 End and separator plate; 1.5 mm thick; without lock-out seal option	1
2009-115 WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 $\dots$ 5.2 mm stretchable	12 markers
282-435/011-000 Jumper; insulated; 1-3-5 Assembly width incl. end stop: 8.5 cm	1



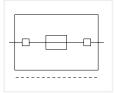
### Fuse Plug TOPJOB® S on Carrier Terminal Block 2.5 (4) mm<sup>2</sup> 2004 Series

### **Technical Data**

250 V / I<sub>N</sub> 6.3 A

Plug width: 6.1 mm / 0.24 inch





Fuse plug with pull-tab; for 5 x 20 mm glass cartridge

Electrical ratings are given by the fuse.

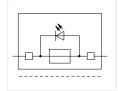
Color	Item No.	Pack. Unit
□ grav	2004-911	50

#### **Technical Data**

250 V /  $I_N$  6.3 A

Plug width: 6.1 mm / 0.24 inch





Fuse plug with pull-tab; for 5 x 20 mm glass cartridge fuses; with LED, gray

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA

	item No.	Pack. Unit
○ 1230 V	2004-911/1000-541	50
○ 30 65 V	2004-911/1000-542	50
○ 120 V	2004-911/1000-867	50
○ 230 V	2004-911/1000-836	50

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for fuse plugs

Appropriate marking systems: WMB/Marking strips

#### End plate for fuse terminal blocks; 2 mm thick



orange	2002-992	100 (25)
gray	2002-991	100 (25)

Shorting link; 5 x 20 mm; allows the fuse plug to be used as a disconnect plug



I<sub>N</sub> 6.3 A 281-503 250 (25)

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501 plain

#### WMB marking card; plain; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable



yellow	793-5501/000-002	5
red	793-5501/000-005	5
blue	793-5501/000-006	5
gray	793-5501/000-007	5
orange	793-5501/000-012	5
light green	793-5501/000-017	5
green	793-5501/000-023	5
violet	793-5501/000-024	5

#### Accessories; for fuse plugs

Appropriate marking systems: WMB/Marking strips

2-conductor carrier terminal block:  $0.25 \dots 2.5 \text{ (4)} \text{ mm}^2 \text{ / } 22 \dots 12 \text{ AWG}$ Terminal block width: 5.2 mm / 0.205 inch

> 2002-1661 gray



End and inte

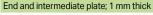
50

ermediate plate;	1 mm thick		
orange	2002-1692	100 (25)	

2002-1691 100 (25) gray

3-conductor carrier terminal block;  $0.25 \dots 2.5 \text{ (4)} \text{ mm}^2 \text{ / } 22 \dots 12 \text{ AWG}$ Terminal block width: 5.2 mm / 0.205 inch

2002-1761



2002-1792 100 (25) orange 2002-1791 100 (25) gray

4-conductor carrier terminal block: 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

> 2002-1861 50 gray



2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

2002-1961 gray

50



End and intermediate plate; 1 mm thick 100 (25) orange 2002-1992 2002-1991 100 (25) gray

Double-deck carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

> L/L 2002-2961



Double-deck carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

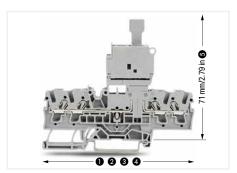
2002-2963



End and intermediate plate; 1 mm thick

	orange	2002-2992	100 (25)
ALC:	gray	2002-2991	100 (25)

# Fuse Plugs TOPJOB® S on Carrier Terminal Blocks 2.5 (4) mm<sup>2</sup> Technical Information



#### Fuse plug dimensions:

- 1 66.1 mm / 2.62 inch for 2002-1661
- 2 76.8 mm / 3.02 inch for 2002-1761
- 3 87.5 mm / 3.45 inch for 2002-1861
- 4 72.9 mm / 2.87 inch for 2002-1961
- 6 with inserted fuse plug



Using fuse plugs with rail-mount terminal blocks for control circuit protection is highly advantageous because the function and wiring levels are separated:

- No additional cost for assembly and wiring
- No risk of accidental contact with live parts when disconnecting the fuse plug
- The fuse plug is completely separated from the carrier terminal block when replacing a fuse – away from current carrying parts
- The fuse plug can be removed by service personnel
- No unintentional reclosing of the circuit by another person
- Quickly exchange a fuse by using a prepared "stand-by plug"

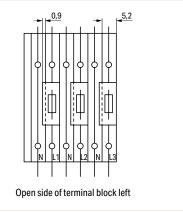
Fuse plug features for quick and safe applications:

- Optional LED indicates blown fuse
- Top-of-unit marking slot provides clear carrier terminal block identification
- Two test slots with touch contacts
- Terminal blocks/plugs provide high-density wiring in a width of just 5.2/6.1 mm
- May be used as a disconnect plug in combination with a shorting link

### Glass cartridge fuses 5 x 20

Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
	Fuse terminal blocks			
2004-911 2004-911/	1.6 W	1.6 W	2.5 W	2.5 W

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.



### Please note:

The extra width of the plug (6.1 mm compared to 5.2 mm for carrier terminal blocks) must be compensated for with intermediate plates (1 mm) when building an assembly of carrier terminal blocks equipped with fuse plugs.

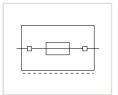


### Fuse Plug TOPJOB® S on Carrier Terminal Block 6 (10) mm<sup>2</sup> 2006 Series

**Technical Data** 800 V / I<sub>N</sub> 10 A

Plug width: 7.4 mm / 0.291 inch





Fuse plug with pull-tab Electrical ratings are given by the fuse.

for 5 x 20 mm glass cartridge fuse

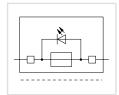
Color	Item No.	Pack. Unit
gray	2006-911	25

**Technical Data** 

800 V / I<sub>N</sub> 10 A

Plug width: 7.4 mm / 0.291 inch





Fuse plug with pull-tab; with LED; gray Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED

for 5 x 20 mm glass cartridge fuse

for 5 x 30 mm glass cartridge fuse

gray

○ 12...30 V

○ 30 ... 65 V

380 ... 500 V

O 230 V

	Item No.	Pack. Unit
○ 1230 V	2006-911/1000-541	25
○ 30 65 V	2006-911/1000-542	25
○ 230 V	2006-911/1000-836	25

2006-921/1000-541

2006-921/1000-542

2006-921/1000-836

2006-921/1000-859

25

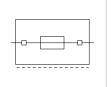
25

100 (25)



Plug width: 10.4 mm / 0.409 inch





Fuse plug with pull-tab Electrical ratings are given by the fuse.

for 1/4" x 11/4" glass cartridge fuse

Color	Item No.	Pack. Unit
gray	2006-931/099-000	25

for 5 x 30 mm glass cartridge fuse			
gray	2006-921	25	

for 1/4" x 11/4" glass car	tridge fuse	
□ grav	2006-931	25

for 1/4" x 11/4" glass cartridge fuse			
○ 1230 V	2006-931/1000-541	25	
○ 120 V	2006-931/1000-867	25	
○ 230 V	2006-931/1000-836	25	

101 74 X 174 glass callingeruse			
○ 1230 V	2006-931/1000-541	25	
○ 120 V	2006-931/1000-867	25	
○ 230 V	2006-931/1000-836	25	
○ 380 500 V	2006-931/1000-859	25	

Accessories; item-specific End and intermediate plate; 1 mm thick orange 2006-1692 100 (25)

Accessories,	item-specin
Intermediate	plate; 2.9 mn
	orange
CIAD	gray
Intermediate	orange

	•				
mediate plate; 2.9 mm thick					
	orange	2006-1696	100 (25)		
1 5 10	gray	2006-1695	100 (25)		
-					

Accessories; for fuse plugs

Accessories; item-specific

End and intermediate plate; 1 mm thick

orange gray

End plate for fuse terminal blocks; 2 mm thick 2006-992 100 (25) orange 100 (25) 2006-991 gray

2006-1692

2006-1691

100 (25)

100 (25)

25

25

2-conductor carrier terminal block; 0.5 ... 6 (10) mm<sup>2</sup> / 20 ... 8 AWG Terminal block width: 7.5 mm / 0.295 inch



Appropriate marking systems: WMB/Marking strips

2006-1691

Shorting link; 5 x 20 mm; allows the fuse plug to be used as a disconnect plug

 $I_N 6.3 A$ 281-503 250 (25)



WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501

249-116 100 (25)

Screwless end stop; for DIN-35 rail; 10 mm wide 249-117 50 (25)

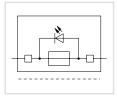


#### **Technical Data**

800 V / I<sub>N</sub> 10 A

Plug width: 10.4 mm / 0.409 inch





Fuse plug with pull-tab; with LED; gray Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED

for 1/4" x 11/4" glass cartridge fuse

Accessories; item-specific
Intermediate plate: 2.9 mm thick

orange

gray

	Item No.	Pack. Unit
○ 1230 V	2006-931/1099-541	25
○ 30 65 V	2006-931/1099-542	25
○ 230 V	2006-931/1099-836	25
○ 380 500 V	2006-931/1099-859	25

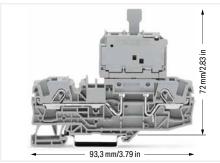
2006-1696

2006-1695

100 (25)

100 (25)

## Approvals and corresponding ratings, visit www.wago.com



Using fuse plugs with rail-mount terminal blocks for control circuit protection is highly advantageous because the function and wiring levels are separated:

- No additional cost for assembly and wiring
- No risk of accidental contact with live parts when disconnecting the fuse plug
- The fuse plug is completely separated from the carrier terminal block when replacing a fuse – away from current carrying parts
- The fuse plug can be removed by service personnel
- No unintentional reclosing of the circuit by another person
- Quickly exchange a fuse by using a prepared "stand-by plug"

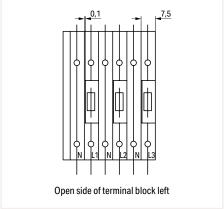
Fuse plug features for quick and safe applications:

- Optional LED indicates blown fuse
- Top-of-unit marking slot provides clear carrier terminal block identification
- Two test slots with touch contacts
- Terminal blocks/plugs provide high-density wiring in a width of just 7.5/7.4 (10.4) mm
- May be used as a disconnect plug in combination with a shorting link

### Glass cartridge fuses

Series Item No.		Overload and short circuit protection		Short circuit protection only	
		Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
	Fused disconnect terminal blocks				
2006-911	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-921	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-931	7.5	1.6 W	1.6 W	2.5 W	2.5 W
2006-931 /099 2006-931	10.4	2.5 W	2.5 W	2.5 W	2.5 W
/1099	10.4	2.5 W	2.5 W	2.5 W	2.5 W

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.



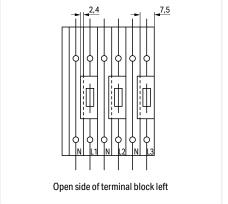
When using 10.4 mm wide plugs, please note:
The extra width of the plug (10.4 mm compared to 7.5 mm
for carrier terminal blocks) must be compensated for with
intermediate plates (2.9 mm) when building an assembly of
carrier terminal blocks equipped with fuse plugs.



Pivoting fuse holder with spare fuse holder



The end plate ensures that the fuse can only be removed when the fuse plug is pulled out.



When using 10.4 mm wide plugs, please note: The extra width of the plug (10.4 mm compared to 7.5 mm for carrier terminal blocks) must be compensated for with intermediate plates (2.9 mm) when building an assembly of carrier terminal blocks equipped with fuse plugs.



### Sensor Terminal Blocks and Actuator Terminal Blocks TOPJOB® S 2000 Series

### **Description and Installation**



Commoning (signal level):

Commoning the signal level with push-in type jumper bars (2000 Series). Models with an LED can only be commoned in one jumper slot.

Test Plug Adapters can be used in all jumper slots.



Upper level: two independent signal pathways



Commoning (potential level): Commoning potential levels via push-in type jumper bars (2000 Series).

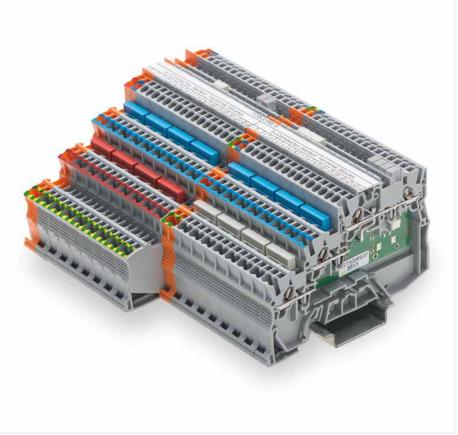


Power supply:

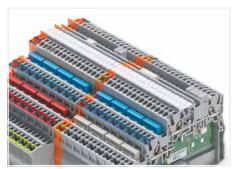
Orange supply terminal block of same profile from both the cabinet and sensor sides



Marking strips (2009-110) - from the top or the side



Terminal block assembly with 4-conductor sensor terminal blocks and 3-conductor actuator terminal blocks



3.5 mm WMB markers (793-35xx) from the top or the side - additional marking option via marker carrier



3-conductor sensor LED terminal block with a connected sensor





Commoning (potential level): Continuous commoning in the potential levels via push-in type jumper bars for even pole numbers (2000 Series)



 $\textbf{Potential levels:} \ two \ adjacent \ commoning \ options \ on \ a$ current bar



4-conductor sensor terminal block with ground contact



Upper level: two independent signal pathways, in 3.5 mm spacing per pole, with a dual jumper slot Lower levels: two interconnected potential clamping units, with a single jumper slot, can be commoned in both directions



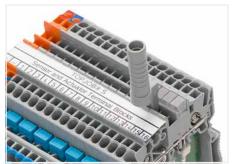
3-conductor actuator LED terminal block with a connected actuator



Ground commoning:
For sensor and actuator terminal blocks without ground connection to the DIN-rail, the ground connection can be performed by commoning to the terminal block with a ground foot.



Testing via testing tap (2009-182) (up to max. 42 V).

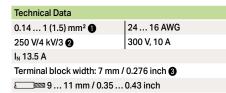


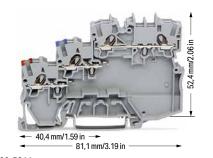
Testing via test plug adapter (2009-174) (up to max. 42 V).

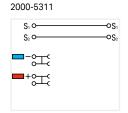


### 3-Conductor Sensor Terminal Block TOPJOB® S

### 1 (1.5) mm<sup>2</sup>; 2000 Series







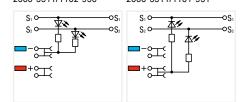
3-conductor sensor terminal block

Color	Item No.	Pack. Unit
○ gray	2000-5311	50

**Technical Data** 24 ... 16 AWG 0.14 ... 1 (1.5) mm<sup>2</sup> 24 VDC 24 VDC I<sub>N</sub> 13.5 A

Terminal block width: 7 mm / 0.276 inch 3 □ 9 ... 11 mm / 0.35 ... 0.43 inch





3-conductor sensor terminal block; yellow LED; for PNP (high-side) switching sensors

Color	Item No.	Pack. Unit
gray	2000-5311/1102-950	50

3-conductor sensor terminal block; yellow LED; for NPN (low-side) switching sensors 2000-5311/1101-951 50

Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree (see Section 14)

3 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 160

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for 3-conductor terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick; for 3-conductor terminal blocks



gray 2000-5391 100 (25)

#### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray 2000-402 3-way 2000-403 25 4-way 2000-404 25 2000-405 25 5-way

2000-406 25 6-way 2000-407 25 7-way 8-way 2000-408 25 2000-409 25 9-way 10-way 2000-410 25

Colored push-in type jumper bar red .../000-005

	blue	/000-006	
n type	e jumper bar; ir	nsulated; I <sub>N</sub> 14 A;	light g
	1 to 3	2000-433	25
Ų.	1 to 4	2000-434	25
d.	1 to 5	2000-435	25

1 to 6 2000-436 25 1 to 7 2000-437 25 2000-438 25 1 to 8 2000-439 25 1 to 9 2000-440 1 to 10 25

Double-deck marker carrier; pivoting



Push-i

2000-121 50 (25)

### Marking strip; plain; 11 mm wide; 50 m reel

2009-110

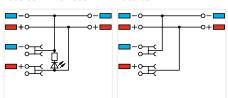
WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

> plain 793-3501

Operating tool with a partially insulated shaft; type 1; (2.5 x 0.4) mm blade

210-719

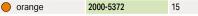


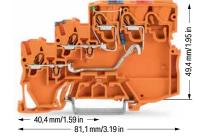


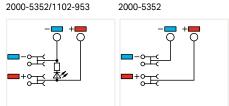
-conductor sensor LED supply terminal block; green LED; 24 VDC

Color	Item No.	Pack. Unit
orange	2000-5372/1102-953	15

3-conductor sensor supply terminal block; max. 250 V; internally commoned







-conductor sensor LED supply terminal block; green LED; 24 VDC control panel side: 2.5 (4) mm2; max. 28 A Color Item No. Pack. Unit 2000-5352/1102-953 50 orange

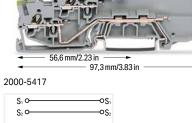
3-c	3-conductor sensor supply terminal block; max. 250 V;			
con	control panel side: 2.5 (4) mm <sup>2</sup> ; max. 28 A			
	orango 2000-5252 50			

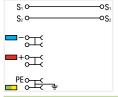
## 4-Conductor Sensor Terminal Block TOPJOB® S

### 1 (1.5) mm<sup>2</sup>; 2000 Series









4-conductor sensor terminal block; with ground connection

Color	Item No.	Pack. Unit
□ grav	2000-5417	50

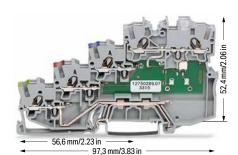
**Technical Data** 

24 ... 16 AWG 0.14 ... 1 (1.5) mm<sup>2</sup> 24 VDC 24 VDC

I<sub>N</sub> 13.5 A

Terminal block width: 7 mm / 0.276 inch 3

⊒ 9 ... 11 mm / 0.35 ... 0.43 inch

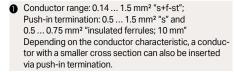


2000-5417/1102-950 2000-5417/1101-951 PE C

conductor sensor LED terminal block; yellow LED; for PNP (high-side) switching sensors; with ground

Color	Item No.	Pack. Unit
O gray	2000-5417/1102-950	50

4-conductor sensor terminal block; yellow LED; for NPN (low-side) switching sensors; with ground connection 2000-5417/1101-951 50 gray



250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree (see Section 14)

3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 160

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for 4-conductor terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick; for 4-conductor terminal blocks



2000-5491 100 (25)

#### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray 2000-402 2-way



25

#### 2000-410 10-way Colored push-in type jumper bar

,, , ,	
red	/000-005
blue	/000-006
yellow-green	/000-018

### Push-in type jumper bar; insulated; $I_N$ 14 A; light gray

F	1 to 3	2000-433	25	
	1 to 4	2000-434	25	
1	1 to 5	2000-435	25	
	1 to 6	2000-436	25	
	1 to 7	2000-437	25	
	1 to 8	2000-438	25	
	1 to 9	2000-439	25	
	1 to 10	2000-440	25	

### Double-deck marker carrier; pivoting



#### Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

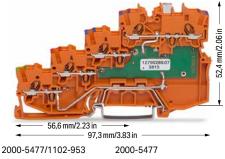
plain

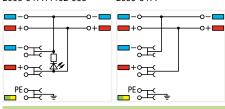
for 3.5 mm terminal block width 793-3501

Operating tool with a partially insulated shaft; type 1; (2.5

x 0.4) mm blade



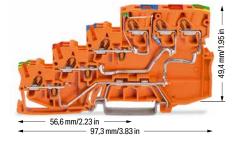


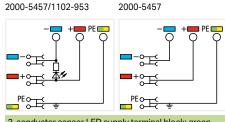


4-conductor sensor LED supply terminal block; green LED; 24 VDC; with ground connection

222/2:120/ Mar ground commodation		
Color	Item No.	Pack. Unit
orange	2000-5477/1102-953	15

4-conductor sensor supply terminal block; max. 250 V; internally commoned; with ground connection 2000-5477 orange 15





3-conductor sensor LED supply terminal block; green LED; 24 VDC control panel side: 2.5 (4) mm<sup>2</sup>; max. 28 A Color Item No. Pack, Unit 2000-5457/1102-953 15 orange

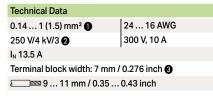
4-conductor sensor supply terminal block; max. 250 V; with ground connection; control panel side: 2.5 (4) mm²;

2000-5457 15

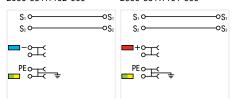


### 3-Conductor Actuator Terminal Block TOPJOB® S

### 1 (1.5) mm<sup>2</sup>; 2000 Series







3-conductor actuator terminal block; for PNP (high-side) switching actuators; with ground connection

Color	Item No.	Pack. Unit
gray	2000-5317/102-000	50

3-conductor actuator terminal block; for NPN (low-side) switching actuators; with ground connection

50

2000-5317/101-000

**Technical Data** 

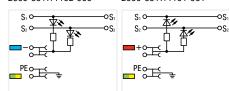
0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 24 VDC 24 VDC

I<sub>N</sub> 13.5 A

Terminal block width: 7 mm / 0.276 inch 3

□ 9 ... 11 mm / 0.35 ... 0.43 inch





-conductor actuator terminal block; yellow LED; for PNP (high-side) switching actuators; with ground connection Color Item No. Pack. Unit 2000-5317/1102-950 gray 50

3-conductor actuator terminal block; yellow LED; for NPN (low-side) switching actuators; with ground connection

2000-5317/1101-951 50

Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree (see Section 14)

3 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 160

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for 3-conductor terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick; for 3-conductor terminal blocks



gray 2000-5391 100 (25)

### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray



2000-402 3-way 2000-403 25 4-way 2000-404 25 2000-405 25 5-way 2000-406 25 6-way 2000-407 25 7-way 8-way 2000-408 25 2000-409 25 9-way 10-way 2000-410 25

### Colored push-in type jumper bar

ed red .../000-005 blue .../000-006 yellow-green .../000-018

### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray



1 to 3 2000-433 25 1 to 4 2000-434 25 1 to 5 2000-435 25 1 to 6 2000-436 25 1 to 7 2000-437 25 2000-438 25 1 to 8 1 to 9 2000-439 25 1 to 10 2000-440 25

### Double-deck marker carrier; pivoting



50 (25) 2000-121

### Marking strip; plain; 11 mm wide; 50 m reel



WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

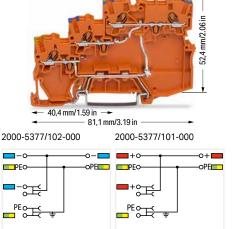
> 793-3501 plain



Operating tool with a partially insulated shaft; type 1; (2.5 x 0.4) mm blade



210-719

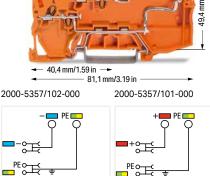


3-conductor actuator supply terminal block; max. 250 V; for PNP (high-side) switching actuators; with ground connection: internally commoned

Color	Item No.	Pack. Unit
orange	2000-5377/102-000	15

3-conductor actuator supply terminal block; max. 250 V;

for NPN (low-side) switching actuators; with ground connection			
orange	2000-5377/101-000	15	



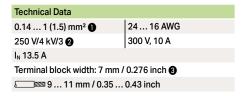
3-conductor actuator supply terminal block; max. 250 V;
control panel side: 2.5 (4) mm <sup>2</sup> ; max. 28 A; for PNP (high-

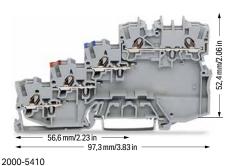
side) switching actuators; with ground connection

Color	Item No.	Pack. Unit
orange	2000-5357/102-000	15

3-conductor actuator supply terminal block; max. 250 V; control panel side: 2.5 (4) mm2; max. 28 A; for NPN (lowside) switching actuators; with ground connection 2000-5357/101-000

### 4-Conductor Sensor Terminal Block and 3-Conductor Actuator Terminal Block TOPJOB® S 1 (1.5) mm<sup>2</sup>; 2000 Series





\$ <sub>1</sub> O	
+	
PE	

4-conductor sensor terminal block; with ground via push-in type jumper bar

Color	Item No.	Pack. Unit
	2000-5410	50

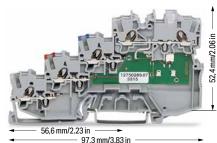
**Technical Data** 

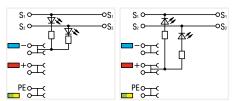
0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 24 VDC 24 VDC

I<sub>N</sub> 13.5 A

Terminal block width: 7 mm / 0.276 inch 3

□ 9 ... 11 mm / 0.35 ... 0.43 inch





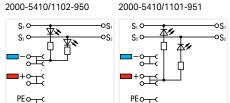
conductor sensor LED terminal block; yellow LED; for PNP (high-side) switching sensors; with ground via push-in type jumper bar

Color	Item No.	Pack. Unit
gray	2000-5410/1102-950	50

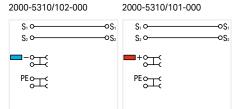
4-conductor sensor LED terminal block; yellow LED; for NPN (low-side) switching sensors; with ground via push-in type jumper bar

2000-5410/1101-951 50









81,1 mm/3.19 in

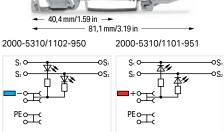
40 4 mm/1 59 in

3-conductor actuator terminal block; for PNP (high-side) switching actuators; with ground via push-in type jumper

Color	Item No.	Pack. Unit
gray	2000-5310/102-000	50

3-conductor actuator terminal block; for NPN (low-side) switching actuators; with ground via push-in type jumper

gray	2000-5310/101-000	50	



3-conductor actuator terminal block; yellow LED; for PNP (high-side) switching actuators; with ground via push-in

Color	Item No.	Pack. Unit
gray	2000-5310/1102-950	50

3-conductor actuator terminal block; yellow LED; for NPN (low-side) switching actuators; with ground via push-in

type jumper bui			
gray	2000-5310/1101-951	50	

- Conductor range: 0.14 ... 1.5 mm2 "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree (see Section 14)
- 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 160

Approvals and corresponding ratings, visit www.wago.com

### Accessories; for 4-conductor terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick; for 4-conductor terminal blocks

100 (25)



Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray 2000-402 2-way



Colored push-in type jumper red .../000-005 blue .../000-006

yellow-green .../000-018 Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray

		1 to 3	2000-433	25	
		1 to 4	2000-434	25	
	L .	1 to 5	2000-435	25	
		1 to 6	2000-436	25	
		1 to 7	2000-437	25	
		1 to 8	2000-438	25	
		1 to 9	2000-439	25	
		1 to 10	2000-440	25	
_					

Double-deck marker carrier; pivoting 2000-121 50 (25) gray

white 2009-110

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

793-3501

Operating tool with a partially insulated shaft; type 1; (2.5 x 0.4) mm blade



210-719



# Sensor Terminal Blocks and Actuator Terminal Blocks TOPJOB® S; with Pluggable Signal Level 2020 Series

### Description and Installation



Snap individual terminal blocks onto the DIN-rail and slide together.



Separate terminal block assembly and slide individual terminal blocks laterally using an operating tool.



Labeling terminal blocks via marking strips (2009-110) or 3.5 mm wide WMB markers (793-35xx) – from the top or



Removing a female plug via conductor bundle provided with strain relief plate.



Slide the locking lever into position.





Testing via testing tap (2009-182) or test plug adapter (2009-174) (up to max. 42 V).



Insert coding pin into the corresponding slot and twist it off.



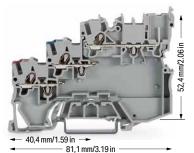
Remove the coding finger using a cutting tool.



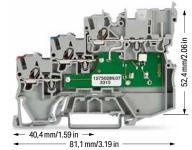
### 3-Conductor Sensor Terminal Block TOPJOB® S; with Pluggable Signal Level 1 (1.5) mm<sup>2</sup>; 2020 Series

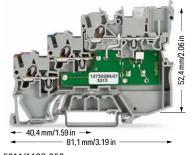


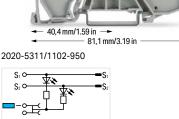
□ 9 ... 11 mm / 0.35 ... 0.43 inch



**Technical Data** 24 ... 16 AWG 0.14 ... 1 (1.5) mm<sup>2</sup> 24 VDC 24 VDC I<sub>N</sub> 13.5 A Terminal block width: 7 mm / 0.276 inch 3 □ 9 ... 11 mm / 0.35 ... 0.43 inch







	— تهلز				
3-conductor sensor terminal block; yellow LED; for PNF (high-side) switching sensors; with pluggable signal leve					
	Color	Item No.	Pack. Unit		

2020-5311/1102-950 50

Conductor range: 0.14 ... 1.5 mm2 "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree (see Section 14)

3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 160

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for 3-conductor terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

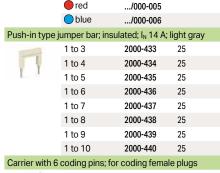
End and intermediate plate; 1 mm thick; for 3-conductor terminal blocks



100 (25) 2020-5391 gray

#### Push-in type jumper bar; ins ated; I<sub>N</sub> 14 A; light gray 2-way 2000-402 25 2000-403 25 3-way 2000-404 4-way 25 5-way 2000-405 25 6-way 2000-406 25 7-way 2000-407 25





	1 to 10	2000-440	25
Carrier with 6	coding pins; for	coding female	plugs
*	orange	2020-100	100 (25)
1-conductor f	emale plue		

1-conducto	or remaie plug			
	gray	2020-102	100	
2-conducto	or female plug			
Pole	gray	2020-202	100	

Test plug a	dapter; for 4 m	m Ø test plug		
II <sub>1</sub>	gray	2009-174	100 (25)	

Color

O gray

2020-5311

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

3-conductor sensor terminal block; with pluggable signal

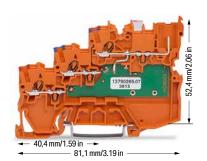
Pack. Unit

gray

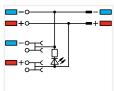
50

Item No.

2020-5311

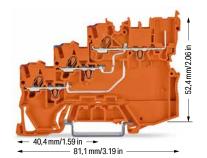


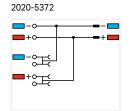




3-conductor sensor LED supply terminal block; green

LED, 24 VDC, with pluggable signal level				
Color	Item No.	Pack. Unit		
orange	2020-5372/1102-953	15		

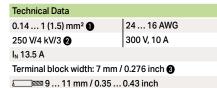


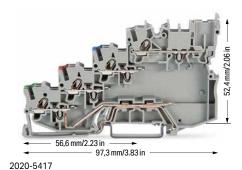


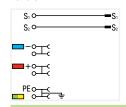
3-conductor sensor supply terminal block; max. 250 V; internally commoned; with pluggable signal level

Color	Item No.	Pack. Unit
orange	2020-5372	50

### 4-Conductor Sensor Terminal Block TOPJOB® S; with Pluggable Signal Level 1 (1.5) mm<sup>2</sup>; 2020 Series







4-conductor sensor terminal block; with ground connection; with pluggable signal level

Color	Item No.	Pack. Unit
gray	2020-5417	50

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug



□ 9 ... 11 mm / 0.35 ... 0.43 inch

97.3 mm/3.83 in

2020-5417/1102-950

-conductor sensor terminal block; yellow LED; for PNP (high-side) switching sensors; with ground connection; with pluggable signal level

Color	Item No.	Pack. Unit
gray	2020-5417/1102-950	50

Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm' Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree (see Section 14)

3.5 mm spacing per signal (2 x 3.5 mm = 7 mm) The double spacing per pole of this terminal block

series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 160

Approvals and corresponding ratings, visit www.wago.com

### Accessories; for 4-conductor terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

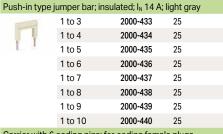
End and intermediate plate; 1 mm thick; for 4-conductor terminal blocks



100 (25) 2020-5491

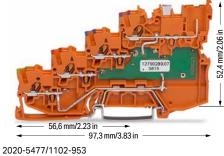


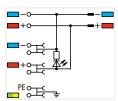




Carrier with 6	coaing pins; to	r coding tema	ie piugs	
*	orange	2020-100	100 (25)	
1-conductor	female plug			
-	gray	2020-102	100	

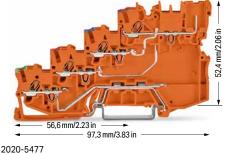
2-conductor female plug					
	gray	2020-202	100		
Test plug ada	apter; for 4	mm Ø test plug			
1	gray	2009-174	100 (25)		





4-conductor sensor LED supply terminal block; green LED; 24 VDC; with ground connection; with pluggable

Color	Item No.	Pack. Unit
orange	2020-5477/1102-953	15



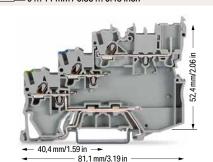
<b>-</b> 0		
<b>-</b> +o	<u> </u>	-+-
+\$=		
PE O C	÷	

4-conductor sensor supply terminal block; max. 250 V; internally commoned; with ground connection; with pluggable signal level

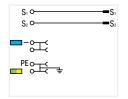
Color	Item No.	Pack. Unit
orange	2020-5477	50

### 3-Conductor Actuator Terminal Block TOPJOB® S; with Pluggable Signal Level 1 (1.5) mm<sup>2</sup>; 2020 Series





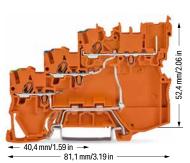
2020-5317/102-000



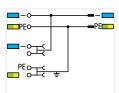
3-conductor actuator terminal block; for PNP (high-side) switching actuators; with ground connection; with pluggable signal level

Color	Item No.	Pack. Unit
gray	2020-5317/102-000	50

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug



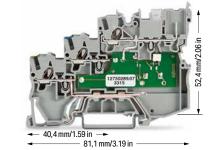
2020-5377/102-000



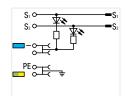
3-conductor actuator supply terminal block; for PNP (high-side) switching actuators; with ground connection; internally commoned; with pluggable signal level

•	1 00	-	
Color	Item No.		Pack. Unit
orange	2020-5377/102	2-000	15

**Technical Data** 24 ... 16 AWG 0.14 ... 1 (1.5) mm<sup>2</sup> 24 VDC 24 VDC I<sub>N</sub> 13.5 A Terminal block width: 7 mm / 0.276 inch 3 ⊒ 9 ... 11 mm / 0.35 ... 0.43 inch



2020-5317/1102-950



3-conductor actuator terminal block; yellow LED; for PNP (high-side) switching actuators; with ground connection; with pluggable signal level

Color	Item No.	Pack. Unit
gray	2020-5317/1102-950	50

- Conductor range: 0.14 ... 1.5 mm2 "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 250 V = rated voltage 4 kV = rated impulse voltage 3 = pollution degree (see Section 14)
- 3 3.5 mm spacing per signal (2 x 3.5 mm = 7 mm)

The double spacing per pole of this terminal block series maximizes connectivity. For example, ten sensors may be connected using only five sensor terminal blocks plus a power supply terminal block.

Please observe the application notes: Jumpers, from page 160

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for 3-conductor terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 1 mm thick; for 3-conductor terminal blocks



100 (25) 2020-5391 gray

#### Push-in type jumper bar; ins ated; I<sub>N</sub> 14 A; light gray 2-way 2000-402 25 2000-403 25 3-way



## Colored push-in type jumper bar

red	/000-005
blue	/000-006
Ovollow groon	/000 010

### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray

	1 to 3	2000-433	25
	1 to 4	2000-434	25
1	1 to 5	2000-435	25
	1 to 6	2000-436	25
	1 to 7	2000-437	25
	1 to 8	2000-438	25
	1 to 9	2000-439	25
	1 to 10	2000-440	25

#### Carrier with 6 coding pins: for coding female plugs 2020-100 100 (25) orange



2-conductor female plug					
Poin	gray	2020-202	100		

Test plug a	dapter; for 4 m	nm Ø test plug	
1	gray	2009-174	100 (25)



### Diode Terminal Block, LED Terminal Block TOPJOB® S 1.5 (2.5) mm<sup>2</sup>; 2001 Series

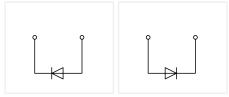
**Technical Data** 0.25 ... 1.5 (2.5) mm<sup>2</sup> 22 ... 14 AWG  $U_{N}$  250 V;  $U_{RM}$  1000 V 1N4007 - 0.5 A continuous current Terminal block width: 4.2 mm / 0.165 inch € 9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 0.25 ... 1.5 (2.5) mm<sup>2</sup> 22 ... 14 AWG  $U_{N}$  250 V;  $U_{RM}$  1000 V 1N4007 - 0.5 A continuous current Terminal block width: 4.2 mm / 0.165 inch € 9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 0.25 ... 1.5 (2.5) mm<sup>2</sup> 22 ... 14 AWG **24 VDC** I<sub>F</sub> 0.025 A max. Terminal block width: 4.2 mm / 0.165 inch 9 ... 11 mm / 0.35 ... 0.43 inch



2001-1211/1000-411 2001-1211/1000-410



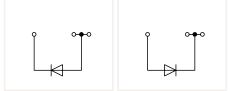
2-conductor diode terminal block; with 1N4007 diode

Color	Item No.	Pack. Unit
gray	2001-1211/1000-411	100
gray	2001-1211/1000-410	100

Other terminal blocks	with the same profile:	
Through	2001-1201	Page 36



2001-1311/1000-411 2001-1311/1000-410



#### 3-conductor diode terminal block; with 1N4007 diode

Color	Item No.	Pack. Unit
gray	2001-1311/1000-411	100
gray	2001-1311/1000-410	100

Other terminal blocks		
Through	2001-1301	Page 36



2001-1321/1000-434 2001-1321/1000-413





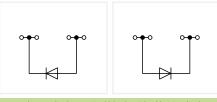
3-conductor LED terminal block; with red LED Notice: This LED terminal block cannot be commoned with push-in type jumper bars.

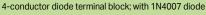
Color	Item No.	Pack. Unit
gray	2001-1321/1000-434	100
gray	2001-1321/1000-413	100

Other terminal blocks with the same profile:		
Through	2001-1301	Page 36



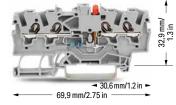
2001-1411/1000-411 2001-1411/1000-410



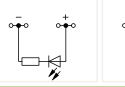


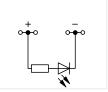
Color	Item No.	Pack. Unit
gray	2001-1411/1000-411	100
gray	2001-1411/1000-410	100

Other terminal blocks with the same profile:		
Through	2001-1401	Page 36



2001-1411/1000-434 2001-1411/1000-413





4-conductor LED terminal block; with red LED Notice: This LED terminal block cannot be commoned with push-in type jumper bars.

Color	Item No.	Pack. Unit
gray	2001-1421/1000-434	100
gray	2001-1421/1000-413	100

Other terminal blocks with the same profile:		
Through	2001-1401	Page 36

## Diode Terminal Blocks and LED Terminal Blocks TOPJOB® S Circuit Configuration Examples

Conductor range: 0.25 ... 2.5 mm² "s+f-st"; Push-in termination: 0.75 ... 2.5 mm² "s" and 0.75 ... 1.5 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

Approvals and corresponding ratings, visit www.wago.com

### Accessories; 2001 Series

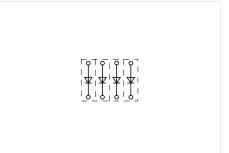
Appropriate marking systems: WMB/WMB Inline/Marking strips

### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray

2001-171

**-171** 200 (25)



Open diode gates can be created using the following terminal blocks:

2001-1211/1000-410 or 2001-1211/1000-411



These diode terminal blocks have been specially developed for custom diode circuits, such as lamp test and collective fault signal circuits.

### Push-in type jumper bar; insulated; $I_{N}$ 18 A; light gray



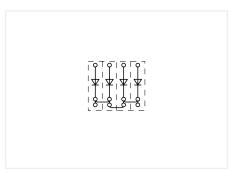
mm

2-way	2001-402	25	
3-way	2001-403	25	
4-way	2001-404	25	
5-way	2001-405	25	
6-way	2001-406	25	
7-way	2001-407	25	
8-way	2001-408	25	
9-way	2001-409	25	
10-way	2001-410	25	

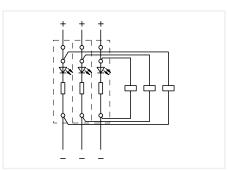
### Push-in type jumper bar; insulated; $I_N$ 18 A; light gray



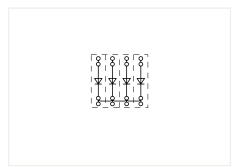
Jı	jumper bar, insulated, in to A, light gray			
	1 to 3	2001-433	25	
	1 to 4	2001-434	25	
	1 to 5	2001-435	25	
	1 to 6	2001-436	25	
	1 to 7	2001-437	25	
	1 to 8	2001-438	25	
	1 to 9	2001-439	25	
	1 to 10	2001-440	25	



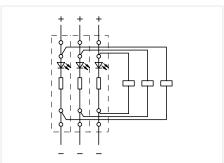
Polarized diode gates with a common cathode can be created using the following terminal blocks: 2001-1311/1000-410 or 2001-1311/1000-411



Circuit-related voltage indications can be created using the following terminal blocks: 2001-1321/1000-434 or 2001-1321/1000-413



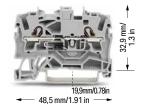
Polarized diode gates with a common cathode can be created using the following terminal blocks: 2001-1411/1000-410 or 2001-1411/1000-411



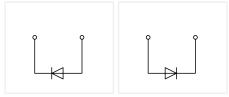
Circuit-related voltage indications can be created using the following terminal blocks: 2001-1421/1000-434 or 2001-1421/1000-413



# Diode Terminal Block, LED Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series



2002-1211/1000-411 2002-1211/1000-410



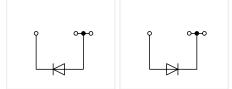
2-conductor diode terminal block; with 1N4007 diode

Color	Item No.	Pack. Unit
gray	2002-1211/1000-411	100
gray	2002-1211/1000-410	100

Other terminal blocks with the same profile:		
Through	2002-1201	Page 38



2002-1311/1000-411 2002-1311/1000-410



### 3-conductor diode terminal block; with 1N4007 diode

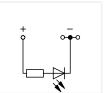
Color	Item No.	Pack. Unit
gray	2002-1311/1000-411	100
gray	2002-1311/1000-410	100

Other terminal blocks		
Through	2002-1301	Page 38



2002-1321/1000-434 2002-1321/1000-413





3-conductor LED terminal block; with red LED Notice: This LED terminal block cannot be commoned with push-in type jumper bars.

Color	Item No.	Pack. Unit
gray	2002-1321/1000-434	100
gray	2002-1321/1000-413	100

Other terminal blocks with the same profile:		
Through	2002-1301	Page 38

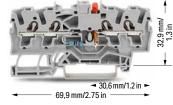


000 000 000

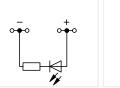
### 4-conductor diode terminal block; with 1N4007 diode

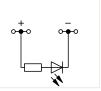
Color	Item No.	Pack. Unit
gray	2002-1411/1000-411	100
gray	2002-1411/1000-410	100

Other terminal blocks with the same profile:		
Through	2002-1401	Page 38



2002-1411/1000-434 2002-1411/1000-413





4-conductor LED terminal block; with red LED Notice: This LED terminal block cannot be commoned with push-in type jumper bars.

Color	Item No.	Pack. Unit
gray	2002-1421/1000-434	100
gray	2002-1421/1000-413	100

Other terminal blocks with the same profile:		
Through	2002-1401	Page 38

# Diode Terminal Blocks and LED Terminal Blocks TOPJOB® S Circuit Configuration Examples

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

Approvals and corresponding ratings, visit www.wago.com

### Accessories; 2002 Series

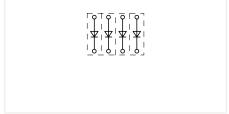
Appropriate marking systems: WMB/WMB Inline/Marking strips

### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray

2002-171

200 (25)



Open diode gates can be created using the following terminal blocks:

2002-1211/1000-410 or 2002-1211/1000-411



Using LED terminal blocks, monitoring units can be designed, e.g., for control and operating circuits.

### Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray

2002-172

200 (25)



TOTAL

### Push-in type jumper bar; insulated; $I_{\rm N}$ 25 A; light gray

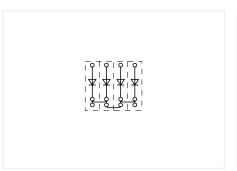


2-way	2002-402	25	
3-way	2002-403	25	
4-way	2002-404	25	
5-way	2002-405	25	
6-way	2002-406	25	
7-way	2002-407	25	
8-way	2002-408	25	
9-way	2002-409	25	
10-way	2002-410	25	

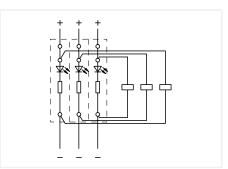
### Push-in type jumper bar; insulated; $I_{\rm N}$ 25 A; light gray



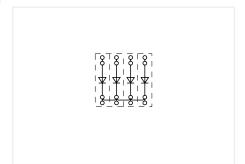
l	umper bar; insulated; I <sub>N</sub> 25 A; light gray				
	1 to 3	2002-433	25		
	1 to 4	2002-434	25		
	1 to 5	2002-435	25		
	1 to 6	2002-436	25		
	1 to 7	2002-437	25		
	1 to 8	2002-438	25		
	1 to 9	2002-439	25		
	1 to 10	2002-440	25		



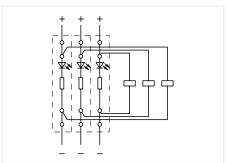
Polarized diode gates with a common cathode can be created using the following terminal blocks: 2002-1311/1000-410 or 2002-1311/1000-411



Circuit-related voltage indications can be created using the following terminal blocks: 2002-1321/1000-434 or 2002-1321/1000-413



Polarized diode gates with a common cathode can be created using the following terminal blocks: 2002-1411/1000-410 or 2002-1411/1000-411

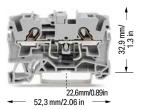


Circuit-related voltage indications can be created using the following terminal blocks: 2002-1421/1000-434 or 2002-1421/1000-413



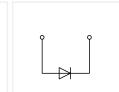
## Diode Terminal Block TOPJOB® S

### 4 (6) mm<sup>2</sup>; 2004 Series





2004-1211/1000-400

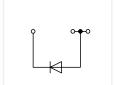


2-conductor diode terminal block; with 1N5408 diode			
Color	Item No.	Pack. Unit	
gray	2004-1211/1000-401	50	
O grav	2004-1211/1000-400	50	

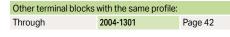
Other terminal blocks with the same profile:			
Through	2004-1201	Page 42	





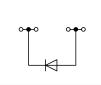


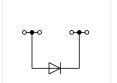
3-conductor diode terminal block; with 1N5408 diode			
Color	Item No.	Pack. Unit	
gray	2004-1311/1000-401	50	
O grav	2004-1311/1000-400	50	





2004-1411/1000-401 2004-1411/1000-400





4-conductor diode terminal block; with 1N5408 diode			
Color Item No. Pack. Unit			
gray	2004-1411/1000-401	50	
gray	50		

Other terminal blocks with the same profile:			
Through	2004-1401	Page 42	



### Diode Terminal Blocks TOPJOB® S Circuit Configuration Examples

Conductor range: 0.5 ... 6 mm2 "s+f-st"; Push-in termination: 1.5 ... 6 mm² "s" and 1.5 ... 4 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conduc-

tor with a smaller cross section can also be inserted

Approvals and corresponding ratings, visit www.wago.com

### Accessories; 2004 Series

via push-in termination.

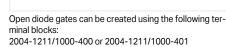
Appropriate marking systems: WMB/WMB Inline/Marking strips

### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray

2004-171

200 (25)







These diode terminal blocks have been specially developed for custom diode circuits, such as lamp test and collective fault signal circuits.

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray

2004-172

200 (25)



mm

### Push-in type jumper bar; insulated; $I_{\mbox{\scriptsize N}}$ 32 A; light gray



2-way 2004-402 25 25 3-way 2004-403 2004-404 25 4-way 5-way 2004-405 25 6-way 2004-406 25 7-way 2004-407 25 8-wav 2004-408 25 9-way 2004-409 25 10-way 2004-410 25

### Push-in type jumper bar; insulated; $I_N$ 32 A; light gray



2004-433 1 to 3 25 1 to 4 2004-434 25 2004-435 25 1 to 6 2004-436 25 2004-437 1 to 7 25 2004-438 25 1 to 8 1 to 9 2004-439 25 1 to 10 2004-440 25

#### Wire commoning chain; 50 connections; insulated; I<sub>N</sub> 8 A 210-103

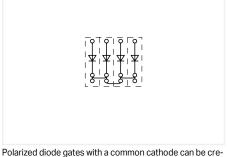


black

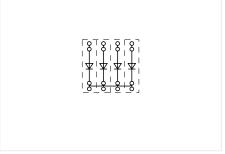


Wire commoning chain; 50 connections; insulated; I<sub>N</sub> 8 A

210-123 5



ated using the following terminal blocks: 2004-1311/1000-400 or 2004-1311/1000-401



Polarized diode gates with a common cathode can be created using the following terminal blocks: 2004-1411/1000-400 or 2004-1411/1000-401



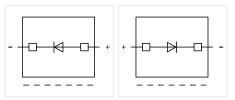
### Pluggable Diode Module TOPJOB® S on Carrier Terminal Block 2.5 (4) mm<sup>2</sup> 2002 Series



**Technical Data** 

2002-800/1000-411

2002-800/1000-410



#### Diode module; with 1N4007 diode; max. operating temperature: 85°C; 5.2 mm wide

Color	Item No.	Pack. Unit
gray	2002-800/1000-411	100
gray	2002-800/1000-410	100

#### Accessories for Carrier Terminal Blocks

Appropriate marking systems: WMB/Marking strips

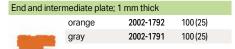
2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



End and intermediate plate; 1 mm thick				
	orange	2002-1692	100 (25)	
	gray	2002-1691	100 (25)	

3-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

2002-1761



4-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

2002-1861

End and intermediate plate; 1 mm thick				
	orange	2002-1892	100 (25)	
	gray	2002-1891	100 (25)	

Please observe the application notes: Jumpers, from page 160 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### **Accessories for Carrier Terminal Blocks**

Appropriate marking systems: WMB/Marking strips

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

> 2002-1961 gray



	orange	2002-1992	100 (25)
-	gray	2002-1991	100 (25)

#### Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

	2-way	2002-402	25	
TIT	3-way	2002-403	25	
HILL	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	
Donale for town a forest and beautiful and the delicated and a				

### Push-in type jumper bar; insulated; $I_{\text{N}}$ 25 A; light gray

	1 to 3	2002-433	25
T	1 to 4	2002-434	25
	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25
		05 4 11 11	

12-way

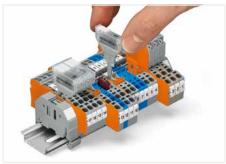
Staggered jumper; insulated; I <sub>N</sub> 25 A; light gray				
「大きなでは、	2-way	2002-472	25	
	3-way	2002-473	25	
Hilling	4-way	2002-474	25	
	5-way	2002-475	25	
	6-way	2002-476	25	
	7-way	2002-477	25	
	8-way	2002-478	25	
	9-way	2002-479	25	
	10-way	2002-480	25	
	11-way	2002-481	25	

2002-482



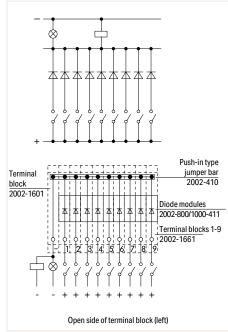
Lengths of carrier terminal blocks with a pluggable diode module:

- 1 66.1 mm / 2.62 inch for 2002-1661
- 2 76.8 mm / 3.02 inch for 2002-1761
- 3 87.5 mm / 3.45 inch for 2002-1861
- 4 72.9 mm / 2.87 inch for 2002-1961



These diode modules are ideal for custom diode circuits (e.g., lamp test and collective fault signal circuits) and offer the following advantages:

- · Separation into functional and wiring levels
- · Polarized switching direction
- Quick and easy module replacement
- Terminal blocks/modules provide high-density wiring in a width of just 5.2 mm



Diode module (2002-800/1000-411) Diode gate for collective fault indication

# Pluggable Diode Module, Empty Component Plug Housing TOPJOB® S on Through Terminal Block 2.5 (4) mm<sup>2</sup>

2002 Series

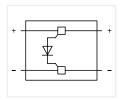


I<sub>N</sub> 0.5 A

Plug width: 10.4 mm / 0.409 inch



2002-880/1000-411



Diode module; with 1N4007 recovery diode; max. operat-
ing temperature: 85°C: 10.4 mm wide

Color	Item No.	Pack. Unit
gray	2002-880/1000-411	50

Empty component plu	g housing; type 4; 10.4	4 mm wide
O grav	2002 000	50

gray 2002-880 50

### Accessories for Through Terminal Blocks

Appropriate marking systems: WMB/Marking strips

2-conductor through terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG

Terminal block width: 5.2 mm / 0.205 inch
qray 2002-1201



End and intermediate plate; 0.8 mm thick

orange 2002-1292 100 (25)

gray 2002-1291 100 (25)

100

3-conductor through terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG

Terminal block width: 5.2 mm / 0.205 inch



End and inte	rmediate plate	e; 0.8 mm thick		
	orange	2002-1392	100 (25)	
	gray	2002-1391	100 (25)	

4-conductor through terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



End and inter	mediate plate; 0	.8 mm thick	
	orange	2002-1492	100 (25)
	aray	2002-1491	100 (25)

2002-1401

100

Please observe the application notes: Jumpers, from page 160 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

### Accessories for Through Terminal Blocks

Appropriate marking systems: WMB/Marking strips

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

dark gray

light gray 2002-171 200 (25)

2002-172

200 (25)

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm²



symbol; for 5 terminal blocks
yellow 2002-115 100 (25)

TITLE

Push-in type wire jumper; insulated; 1.5 mm $^{2}$  conductor cross-section;  $I_{N}$  18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)
Duch in type	iumpor borginou	latadel DE A	light grov



	10 may	2002		20	
Duch in type i	iumnor har	· inculated: I	25	A. light grov	

	3. 1		. 5 - 5 - 5	
	1 to 3	2002-433	25	
F	1 to 4	2002-434	25	
1 1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	

#### Staggered jumper: insulated: I<sub>N</sub> 25 A: light gray

12-way

.aggereu juri	ipei, irisulateu, i	N 25 A, light gh	ay
THE STATE OF THE S	2-way	2002-472	25
11774	3-way	2002-473	25
Hilling	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25

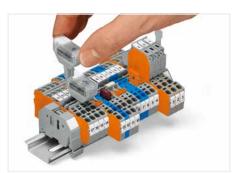
2002-482

25



Lengths of through terminal blocks with a pluggable diode module:

- 1 48.5 mm / 1.91 inch for 2002-1201
- 2 59.2 mm / 2.33 inch for 2002-1301
- 3 69.9 mm / 2.75 inch for 2002-1401



Similar to push-in type jumpers, these diode modules are simply pushed into the current bar's contact slots of two adjacent through terminal blocks, providing the following advantages:

- Compatible with all 2001 to 2006 Series Through Terminal Blocks equipped with jumper slots (note the module's width)
- Easy retrofits for existing systems
- Separation into functional and wiring levels
- Fast replacement of other functional units
- solder-free assembly of diodes, resistors, etc.



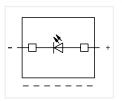
Opening the cover via operating tool (2.5 mm blade).

# Pluggable LED Module TOPJOB® S on Carrier Terminal Block 2.5 (4) mm<sup>2</sup> 2002 Series



Plug width: 5.2 mm / 0.205 inch





## LED module; with red LED; max. operating temperature: 85°C: 5.2 mm wide

	Item No.	Pack. Unit
○ 1230 V	2002-800/1000-541	100
○ 30 65 V	2002-800/1000-542	100
O 230 V	2002-800/1000-836	100

#### Accessories for Carrier Terminal Blocks

Appropriate marking systems: WMB/Marking strips

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



**2002-1661** 50



End and intermediate plate; 1 mm thick				
	orange	2002-1692	100 (25)	
	gray	2002-1691	100 (25)	

3-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

	gray	2002-1761	50	
A CONTRACTOR				

nd and interr	nediate plate;	1 mm thick		
	orange	2002-1792	100 (25)	
	gray	2002-1791	100 (25)	
	Ü		,	

4-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray 2002-1861



mediate plate,	I IIIIII UIICK	
orange	2002-1892	100 (25)
gray	2002-1891	100 (25)

50

Please observe the application notes: Jumpers, from page 160 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### **Accessories for Carrier Terminal Blocks**

Appropriate marking systems: WMB/Marking strips

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray 2002-1961



	orange	2002-1992	100 (25)
100	gray	2002-1991	100 (25)

## Push-in type wire jumper; insulated; 1.5 mm $^{2}$ conductor cross-section; $I_{N}$ 18 A

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

	2-way	2002-402	25	
TIT	3-way	2002-403	25	
	Hir	4-way	2002-404	25
		5-way	2002-405	25
		6-way	2002-406	25
		7-way	2002-407	25
		8-way	2002-408	25
		9-way	2002-409	25
		10-way	2002-410	25
_	1			1.1

### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

	1 to 3	2002-433	25
	1 to 4	2002-434	25
1 1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

#### Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray

12-way

	.,,	· · · , · · g · · · g · ·	)
- THE RES	2-way	2002-472	25
A THE PERSON AND	3-way	2002-473	25
11111	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25

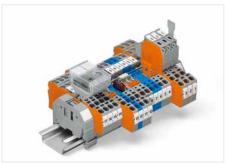
2002-482

25



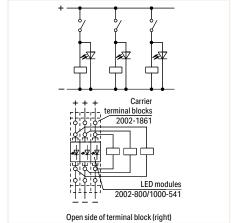
Lengths of carrier terminal blocks with a pluggable LED module:

- 1 66.1 mm / 2.62 inch for 2002-1661
- 2 76.8 mm / 3.02 inch for 2002-1761
- 3 87.5 mm / 3.45 inch for 2002-1861
- 4 72.9 mm / 2.87 inch for 2002-1961



The monitoring of control and operating current circuits with LED modules on rail-mount terminal blocks provides several advantages:

- No additional cost for assembly and wiring
- Separation into functional and wiring levels
- Modules can be replaced quickly by other types of modules
- Polarized switching direction
- Terminal blocks/modules provide high-density wiring in a width of just 5.2 mm



LED module (2002-800/1000-541)
Voltage control assigned to current circuits

# Pluggable LED Module TOPJOB® S on Through Terminal Block 2.5 (4) mm<sup>2</sup> 2002 Series



 $I_N \le 3 \text{ mA}$ 

Plug width: 10.4 mm / 0.409 inch

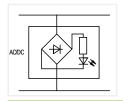


Please observe the application notes:
Marking, from page 246
Approvals and corresponding ratings,
visit www.wago.com



Dimensions of through terminal blocks with a pluggable LED module:

- 1.91 inch for 2002-1201
- 2 59.2 mm / 2.33 inch for 2002-1301
- 3 69.9 mm / 2.75 inch for 2002-1401



## LED module; with red LED; max. operating temperature: 85°C; 10.4 mm wide

	Item No.	Pack. Unit
○ 12 30 V	2002-880/1000-541	50
○ 30 65 V	2002-880/1000-542	50
O 230 V	2002-880/1000-836	50



Labeling via WMB Multi markers and marking strips



Testing via 2-pole test plugs.

### Accessories for Through Terminal Blocks

Appropriate marking systems: WMB/Marking strips

2-conductor through terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray 2002-1201 100



End and intermediate plate; 0.8 mm thick				
	orange	2002-1292	100 (25)	
	gray	2002-1291	100 (25)	

3-conductor through terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray 2002-1301 100



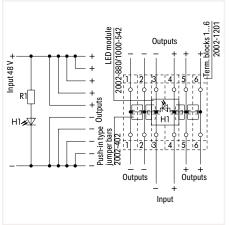
End a

nd intermediate	e plate; 0.8 mm thick	
orange	e 2002-1392	•

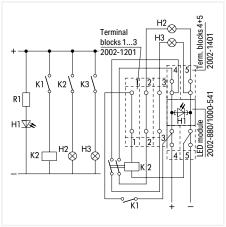


4-conductor through terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch gray 2002-1401 100

End and inter	mediate plate	; 0.8 mm thick		
	orange	2002-1492	100 (25)	
	grav	2002-1491	100 (25)	



LED module (2002-880/1000-541) Multiple outputs with indicator lamp



LED module (2002-880/1000-541)

# Empty Component Plug Housing TOPJOB® S on Carrier Terminal Block 2.5 (4) mm<sup>2</sup> 2002 Series



Empty component plug housing; type 1; 2-pole; 5.2 mm wide			
Color	Item No.	Pack. Unit	
gray	2002-800	100	

# Technical Data Plug width: 10.4 mm / 0.409 inch



Empty component plug housing; type 2; 2-pole; 10.4 mm wide				
Color	Item No.	Pack. Unit		
gray 2002-810 50				

Empty component plug housing; type 3; 4-pole; 10.4 mm wide			
□ grav	2002-820	50	

Push-in type wire jumper; insulated; 1.5 mm<sup>2</sup> conductor

### Accessories for Carrier Terminal Blocks

Appropriate marking systems: WMB/Marking strips

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray 2002-1661 50

End and intermediate plate; 1 mm thick					
	orange	2002-1692	100 (25)		
	gray	2002-1691	100 (25)		

3-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray **2002-1761** 50



End and intermediate plate; 1 mm thick					
	orange	2002-1792	100 (25)		
Charles and	gray	2002-1791	100 (25)		

4-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray **2002-1861** 50

End and interr	mediate plate; 1	mm thick	
	orange	2002-1892	100 (25)
	arav	2002-1991	100 (25)

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray 2002-1961 50



End and intermediate plate; 1 mm thick				
	orange	2002-1992	100 (25)	
-	gray	2002-1991	100 (25)	

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks



cross-section	n; I <sub>N</sub> 18 A	alacca, 1.0 mm	Conductor
	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)
Push-in type j	umper bar; insu	lated; I <sub>N</sub> 25 A; Ii	ight gray
	2-way	2002-402	25
YYY	3-way	2002-403	25
III	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25
Push-in type j	umper bar; insu	lated; I <sub>N</sub> 25 A; li	ight gray
	1 to 3	2002-433	25
	1 to 4	2002-434	25
	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25
Staggered jur	nper; insulated;	I <sub>N</sub> 25 A; light gr	ay
	2-way	2002-472	25
THE PARTY OF THE P	3-way	2002-473	25
Hirry	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25

11-way

12-way

Multi-purpose operating tool; for component plugs

2002-481

2002-482

2002-116

25

Please observe the application notes: Jumpers, from page 160 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### **Accessories for Carrier Terminal Blocks**

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB marking card; white; 10 strips with 10 markers/card;  $5\dots5.2$  mm stretchable

plain 793-5501

## WMB marking card; plain; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

	yellow	793-5501/000-002	5
	red	793-5501/000-005	5
	blue	793-5501/000-006	5
	gray	793-5501/000-007	5
	orange	793-5501/000-012	5
	light green	793-5501/000-017	5
	green	793-5501/000-023	5
	violet	793-5501/000-024	5
		- 10	

Screwless end stop; for DIN-35 rail; 6 mm wide gray 249-116 100 (25)



### Screwless end stop; for DIN-35 rail; 10 mm wide

gray 249-117 50 (25)





2002-115

100 (25)



Lengths of carrier terminal blocks with a pluggable diode module:

- 1 66.1 mm / 2.62 inch for 2002-1661
- 76.8 mm / 3.02 inch for 2002-1761
  87.5 mm / 3.45 inch for 2002-1861
  72.9 mm / 2.87 inch for 2002-1961



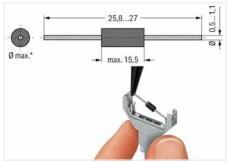
Cutting component to the proper length.



Pressing component into plug contact via operating tool.



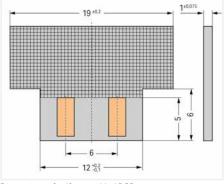
Pushing PCB into plug contact via operating tool.



\*max. 3.4 mm Ø at 5.2 mm module width and \*max. 5.4 mm Ø at 10.4 mm module width Notice: Reconnection only possible with similar or larger wire diameter.



Component plugs for building custom circuits solder-free assembly of diodes, resistors, etc. (Illustration shows a 1N4007 diode)



Dimensions of self-assembled PCBs: Module height: 2 mm at 5.2 mm module width and module height: 3.3 mm at 10.4 mm module width



When closing the cover, please insert cover as shown in the illustration.



Opening the cover via operating tool (2.5 mm blade).



Opening the cover via multi-purpose operating tool for component plugs.



# Component Plug TOPJOB® S on Carrier Terminal Blocks 2.5 (4) mm<sup>2</sup> 2042 Series



Component plug; 4-pole; transparent housing; with fiber optics; 10.3  $\mbox{mm}$  wide

Item No.	Pack. Unit
2042-321	5

Component plug; 8-pole; transparent housing; with fiber optics: 20.7 mm wide

2042-341 5



Component plug; 6-pole; transparent housing; with fiber optics; 15.5  $\,\mathrm{mm}$  wide

Item No.	Pack. Unit
2042-331	5

Component plug; 10-pole; transparent housing; with fiber optics; 25.9 mm wide

2042-351 5

### **Accessories for Carrier Terminal Blocks**

Appropriate marking systems: WMB/Marking strips

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray **2002-1661** 50



End	and	interm	ediate	nlate.	1 mm	thick
LIIU	anu	IIII	eulate	piate,	1 1111111	UIIICN

orange	2002-1692	100 (25)
gray	2002-1691	100 (25)

3-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray 2002-1761 50



End and	d intermediate	plate; 1 mm thick
---------	----------------	-------------------

	orange	2002-1792	100 (25)
Files Re	gray	2002-1791	100 (25)

4-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray **2002-1861** 50



#### End and intermediate plate; 1 mm thick

orange	2002-1892	100 (25)
gray	2002-1891	100 (25)

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm² / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

gray **2002-1961** 50



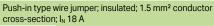
### End and intermediate plate; 1 mm thick

	orange	2002-1992	100 (25)
-	gray	2002-1991	100 (25)

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)

THE



	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

### Push-in type jumper bar; insulated; $I_{\text{\tiny N}}$ 25 A; light gray

TU	2-way	2002-402	25	
	3-way	2002-403	25	
HILL	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	

## Push-in type jumper bar; insulated; $I_N$ 25 A; light gray 1 to 3 2002-433 25

T	1 10 5	2002-400	23
	1 to 4	2002-434	25
	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

### Staggered jumper; insulated; $I_N$ 25 A; light gray

	2-way	2002-472	25
10 10 10 10 10 10 10 10 10 10 10 10 10 1	3-way	2002-473	25
Hirry	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25

Length for 2002-1661 – 66.5 mm / 2.62 inch 2-conductor carrier terminal block

Length for 2002-1761 – 76.8 mm / 3.02 inch 3-conductor carrier terminal block

Length for 2002-1861 – 87.5 mm / 3.45 inch 4-conductor carrier terminal block

Length for 2002-1961 – 72.9 mm / 2.87 inch 2-conductor carrier terminal block; with additional jumper slot

Please observe the application notes: Jumpers, from page 160 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories for Carrier Terminal Blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

plain 793-5501

## WMB marking card; plain; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

0.2 mm suctoriable			
	yellow	793-5501/000-002	5
	red	793-5501/000-005	5
	blue	793-5501/000-006	5
	gray	793-5501/000-007	5
	orange	793-5501/000-012	5
	light green	793-5501/000-017	5
	green	793-5501/000-023	5
	violet	793-5501/000-024	5

### Screwless end stop; for DIN-35 rail; 6 mm wide gray 249-116 100 (25)



### Screwless end stop; for DIN-35 rail; 10 mm wide

249-117





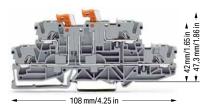


### Double-Deck Disconnect/Test Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V/6 kV/3 2 300 V, 15 A 94 I<sub>N</sub> 16 A 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V/6 kV/3 2 300 V, 15 A 94 I<sub>N</sub> 16 A 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 300 V, 15 A 🕦 400 V/6 kV/3 2 I<sub>N</sub> 16 A 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

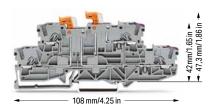


Double-deck, double-disconnect terminal block; with 2 pivoting knife disconnects; gray

	Item No.	Pack. Unit
○ L/L ®	2002-2951 3	50
N/I	2002-2952	50

Double-deck, double-disconnect terminal block; with 2 pivoting knife disconnects; blue

	N/N ®	2002-2954 3	50



Double-deck, double-disconnect terminal block; with two pivoting knife disconnects; lower and upper decks internally commoned on right side, violet conductor entry; gray

○ L/L ⓑ	2002-2958 3	50
	item No.	Pack. Unit

Double-deck disconnect terminal block; with pivoting knife disconnect; same profile as double-deck, double-disconnect terminal block; gray

	Item No.	Pack. Unit
○ L/L &	2002-2971 3	50
○ N/L ⑤	2002-2972 3	50

Double-deck, double-disconnect terminal block; with two pivoting knife disconnects; lower and upper decks internally commoned on right side, violet conductor entry; blue

N/N 2002-2959 3 50 Double-deck disconnect terminal block; with pivoting knife disconnect; same profile as double-deck, double-disconnect terminal block; blue

N/N ⊕	2002-2974 3	50
-------	-------------	----

#### Accessories; 2002 Series

#### End and intermediate plate; 1 mm thick

orange 2002-2992 100 (25) 2002-2991 100 (25)

Insulation sto	; 5 pcs/strip; 0.25 0	.5 mm²

light gray 2002-171 200 (25)



Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

2002-172 200 (25) dark gray



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

> yellow 2002-115 100 (25)



#### Push-in type jumper bar; insu lated; I<sub>№</sub> 25 A; light gray

2002-402 25 2002-403 25 3-way 2002-404 25 4-way 5-way 2002-405 25 6-way 2002-406 25 7-way 2002-407 25 8-way 2002-408 25 2002-409 25 9-way 2002-410 25 10-way

#### Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A

L = 60 mm2009-412 100 (10) 100 (10) 2009-414 L = 110 mm L = 250 mm 2009-416 100 (10)

#### Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

	-212- 1 1		. 5 - 5 - 5	
	1 to 3	2002-433	25	
	1 to 4	2002-434	25	
1	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	

Delta jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light gray

1-2 3-4 5-6 2002-406/020-000





1-3-5 2002-405/011-000 25

#### Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray

2-way 2002-472 25 2002-473 25 3-way 2002-474 25 4-way 5-way 2002-475 25 6-way 2002-476 25 2002-477 7-way 25 2002-478 25 8-way 2002-479 25 9-way 2002-480 25 10-way 11-way 2002-481 25 2002-482 12-way 25 Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A, light gray

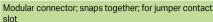
> 2002-400 25

#### Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A: 1 to 3

	light gray	<b>2002-423</b> 25	
F	red	2002-423/000-005	25
1-1	blue	2002-423/000-006	25

Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A, light gray

2002-415 25





Spacer module; snaps together; bridges commoned

2002-549 100 (25)

End plate; for modular connector; 1.5 mm thick gray

Test plug	adapter; for 4 m	nm Ø test plug		
1	gray	2009-174	100 (25)	

- Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 400 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with an Ex mark are suitable for Ex ec IIc applications.

Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Double-deck, double-disconnect terminal blocks (2002-2951) with group marker carrier accommodated in jumper contact slot



Double-deck, double-disconnect terminal block (2002-2951) with group marker carrier (2002-160) accommodated in jumper contact slot

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V



Testing tap; for max. 2.5 mm<sup>2</sup>



2009-182 100 (25) gray

215-111



WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable



2009-115 1



Testing with voltage tester.



Double-deck, double-disconnect terminal block (2002-2951) with group marker carrier (2002-160) accommodated in a jumper contact slot and test plug (210-136)

#### Marking strip; plain; 11 mm wide; 50 m reel



2009-110

WMB marking card; white; 10 strips with 10 markers/card;



plain 793-5501



Double-deck disconnect terminal block (2002-2971) Opening a knife disconnect.

## WMB marking card; plain; 10 strips with 10 markers/card;

0.2 1111113	rettriable		
140000000	yellow	793-5501/000-002	5
	red	793-5501/000-005	5
	blue	793-5501/000-006	5
	gray	793-5501/000-007	5
	orange	793-5501/000-012	5
	light green	793-5501/000-017	5
	green	793-5501/000-023	5
	violet	793-5501/000-024	5

Group marker carrier; snap-on type for jumper slot; 5 mm



gray

2009-191

50 (25)

#### Screwless end stop; for DIN-35 rail; 6 mm wide

249-116 100 (25) gray





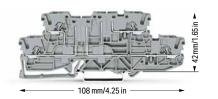
## Double-Deck Carrier Terminal Block TOPJOB® S

### 2.5 (4) mm<sup>2</sup>; 2002 Series

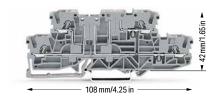
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 400 V/6 kV/3 2 300 V, 15 A 🕦 I<sub>N</sub> 16 A 300 V, 15 A@ Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
	300 V, 15 A <b>93</b>	
I <sub>N</sub> 16 A	300 V, 15 A@	
Terminal block width: 5.2 mm / 0.205 inch		
2 10 12 mm / 0.39 0.47 inch		

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
400 V/6 kV/3 2	300 V, 15 A 👊	
I <sub>N</sub> 16 A	300 V, 15 A@	
Terminal block width: 5.2 mm / 0.205 inch		
√ 2 10 12 mm / 0.39 0.47 inch		



Double-deck, double-disconnect terminal block; gray		
	Bestellnr.	VPE
$\bigcirc$ 1/1	2002-2941	50



Double-deck carrier to	erminal block; gray	
	Bestellnr.	VPE
○ L/L	2002-2961	50



Double-deck carrier terminal block; gray		
	Bestellnr.	VPE
○ L/N	2002-2963	50

Modular connector; snaps together; for jumper contact

Spacer module; snaps together; bridges commoned

2002-511

gray

100 (25)

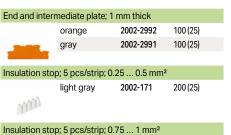
#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Delta jumper; insulated;  $I_N = I_N$  terminal block; light gray

2002-406/020-000

1-2 3-4 5-6



Barrier State of the State of t
Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

dark gray

Push-in type jumper bar; insulated; I

2-way

3-way

4-way

5-way

6-way

7-way

8-way

9-way 10-way

1 to 3

1 to 6

1 to 7

1 to 8 1 to 9

1 to 10

Push-in type jumper bar; ins

yellow 2002-

2002-433

2002-434

2002-435

2002-436

2002-437

2002-438

2002-439

2002-440

25

25

25

25

25

25

25

25

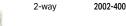


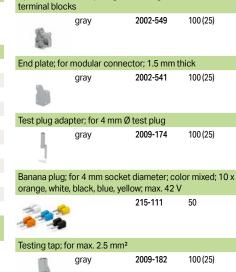
1000

.25 0.5 mm²	!	Star point jumper; insulated; $I_N$ = $I_N$ terminal block; light			
2002-171	200 (25)	gray			
		TOTAL	1-3-5	2002-405/011	1-000 2
.75 1 mm²		2 35			
2002-172	200 (25)	Staggered jumper; insulated; I <sub>N</sub> 25 A; ligh		0 0	
		- TO 15 TH	2-way	2002-472	25
		CALLALL.	3-way	2002-473	25
ith black high-	voltage	Litter	4-way	2002-474	25
Ŭ	ŭ		5-way	2002-475	25
2002-115	100 (25)		6-way	2002-476	25
			7-way	2002-477	25
			8-way	2002-478	25
lated; I <sub>N</sub> 25 A;	light gray		9-way	2002-479	25
2002-402	25		10-way	2002-480	25
2002-403	25		11-way	2002-481	25
2002-404	25		12-way	2002-482	25
2002-405	25			uous commonin	g; insulated
2002-406	25	$I_N$ 25 A, light $g$	ıray		
2002-407	25		2-way	2002-400	25
2002-408	25	II.			
2002-409	25	1,5			
2002-410	25			uous commonin	g; insulated
lated; I <sub>N</sub> 25 A;	light gray	I <sub>N</sub> 25 A; 1 to 3	light gray	2002-423	25

9 33			
Staggered jun	nper; insulated; l <sub>i</sub>	√ 25 A; light gra	эу
THE RES	2-way	2002-472	25
The state of the s	3-way	2002-473	25
Hilling	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25

Adjacent jump I <sub>N</sub> 25 A, light g		tinuous commoning	; insula	ted;
	2-way	2002-400	25	





Adjacent jumper for continuous commoning; insulated
I <sub>N</sub> 25 A; 1 to 3

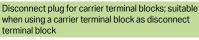
	light gray	2002-423	25	
Ħ	red	2002-423/000-	005	25
1-1	blue	2002-423/000-	006	25
Adjacent jum	ner for continuo	is commoning	· insulate	q.

25 A, light gray 2002-415 25 5-way



B 1
Push-in type wire jumper; insulated; 1.5 mm <sup>2</sup> conductor
* * * * * * * * * * * * * * * * * * * *
cross-section: L. 18 A

0,000 00000	1, IN 10 / t			
	L = 60 mm	2009-412	100 (10)	
	L = 110 mm	2009-414	100 (10)	
4	L = 250 mm	2009-416	100 (10)	





slot

25

25

range <b>2002-401</b> 100
---------------------------



- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 400 V = rated voltage6 kV = rated impulse voltage3 = pollution degree

Please observe the application notes: Jumpers, from page 160 Testing accessories, from page 154 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Carrier terminal block (2002-2941) with disconnect plug (2002-401) in parked position



Carrier terminal block (2002-2941) with disconnect plug (2002-401) in operating position

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel;  $5 \dots 5.2$  mm stretchable



hite 2009-115

#### Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110

WMB marking card; white; 10 strips with 10 markers/card;

793-5501

5

5

5

5

5

5

5 ... 5.2 mm stretchable plain

Been

## WMB marking card; plain; 10 strips with 10 markers/card; $5 \dots 5.2 \text{ mm}$ stretchable



Group marker carrier; snap-on type for jumper slot; 5 mm wide



ray **2009-191** 50 (25)

#### Screwless end stop; for DIN-35 rail; 6 mm wide

gray 249-116 100 (25)



#### Screwless end stop; for DIN-35 rail; 10 mm wide

gray 249-117 50 (25)

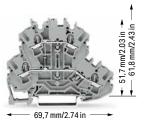


## Double-Deck Diode Terminal Block and LED Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series

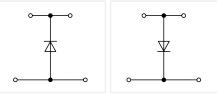
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG  $U_{N}$  250 V;  $U_{RM}$  1000 V 1N4007 - 0.5 A continuous current Terminal block width: 5.2 mm / 0.205 inch 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG  $U_{N}$  250 V;  $U_{RM}$  1000 V 1N4007 - 0.5 A continuous current Terminal block width: 5.2 mm / 0.205 inch □■ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 24 VDC I<sub>F</sub> 0.025 A max. Terminal block width: 5.2 mm / 0.205 inch E 10 ... 12 mm / 0.39 ... 0.47 inch



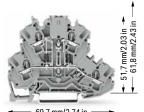




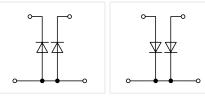
Double-deck diode termina	al block; with 1N4007 diode

Color	Item No.	Pack. Unit
gray	2002-2211/1000-410	50
gray	2002-2211/1000-411	50

Other terminal blocks with the same profile:		
Through	2002-2201	Page 54





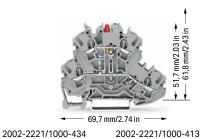


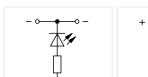
Double-deck diod diodes	de terminal block; with two	1N4007
Color	Item No.	Pack. Unit
○ grav	2002-2213/1000-487	50

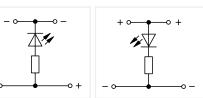
2002-2213/1000-488 50

gray

2002-2214/1000-489



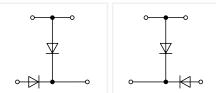




bouble dean EED terrimarblook, with red EED		
Color	Item No.	Pack. Unit
gray	2002-2221/1000-434	50
○ gray	2002-2221/1000-413	50

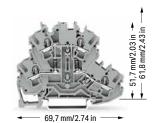






Double-deck diode terminal block; with two 1N4007	
diodes	

alouco		
Color	Item No.	Pack. Unit
gray	2002-2214/1000-492	50
gray	2002-2214/1000-491	50



2002-2214/1000-490

本本

#### Double-deck diode terminal block; with two 1N4007 diodes

Color	Item No.	Pack. Unit
gray	2002-2214/1000-489	50
gray	2002-2214/1000-490	50

## Double-Deck Diode Terminal Blocks and LED Terminal Blocks TOPJOB® S Circuit Configuration Examples

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

via push-in termination.

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick

	-		
-		٠.	
		_	

orange	2002-2292	100 (25)
gray	2002-2291	100 (25)

#### Double-deck marker carrier; pivoting



gray 2002-121 50 (25)

200 (25)

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm $^{2}$ 

light gray 2002-171



dark gray **2002-172** 200 (25)



#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

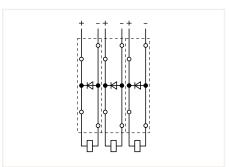


2-way 2002-402 25 2002-403 25 3-way 2002-404 25 4-way 5-way 2002-405 25 6-way 2002-406 25 7-way 2002-407 25 2002-408 8-way 25 9-way 25 2002-409 10-way 2002-410 25

#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

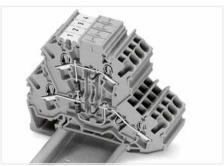


umper bar, in	sulateu, IN 25 A,	light gray	
1 to 3	2002-433	25	
1 to 4	2002-434	25	
1 to 5	2002-435	25	
1 to 6	2002-436	25	
1 to 7	2002-437	25	
1 to 8	2002-438	25	
1 to 9	2002-439	25	
1 to 10	2002-440	25	



Open diode gates can be created using the following terminal blocks:

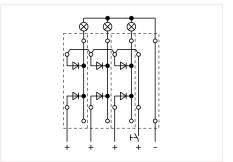
2002-2211/1000-410 or 2002-2211/1000-411



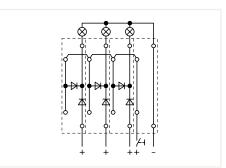
Double-deck diode terminal blocks were specifically developed for custom diode circuits, such as lamp test and collective fault signal circuits.

These terminal blocks provide high-density wiring in a width of just 5.2 mm.

Push-in type jumper bars provide additional options for custom circuit design.

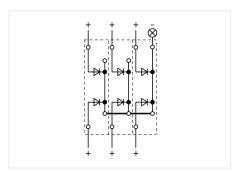


Polarized diode gates with a common cathode can be created using the following terminal blocks: 2002-2213/1000-487 or 2002-2213/1000-488

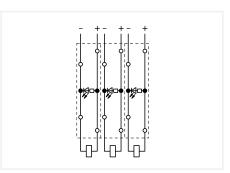


Lamp test circuits can be created using the following terminal blocks:

2002-2214/1000-492 or 2002-2214/1000-491

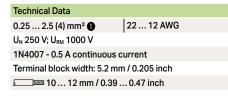


Polarized diode gates with a common cathode can be created using the following terminal blocks: 2002-2214/1000-489 or 2002-2214/1000-490



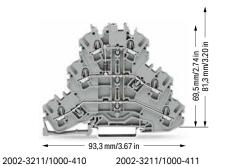
Circuit-related voltage indications can be created using the following terminal blocks: 2002-2221/1000-434 or 2002-2221/1000-413

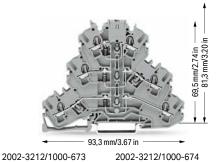
## Triple-Deck Diode Terminal Block, Triple-Deck LED Terminal Block TOPJOB® S 2.5 (4) mm<sup>2</sup>; 2002 Series

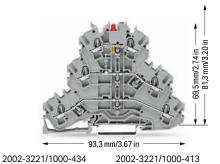


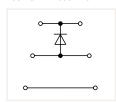
Technical Data	
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG
$U_{\text{\tiny N}}250V; U_{\text{\tiny RM}}1000V$	•
1N4007 - 0.5 A continuous current	
Terminal block width: 5.2 mm / 0.205 inch	
10 12 mm / 0.39 0.47 inch	

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 24 VDC I<sub>F</sub> 0.025 A max. Terminal block width: 5.2 mm / 0.205 inch **■** 10 ... 12 mm / 0.39 ... 0.47 inch

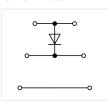




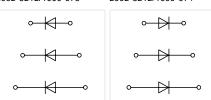


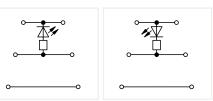


Through



Page 66



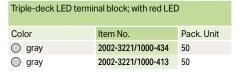


Triple-deck diode terminal block;, with 1N4007 diode		
Color	Item No.	Pack. Unit
gray	2002-3211/1000-410	50
gray	2002-3211/1000-411	50
O 9 - 7		

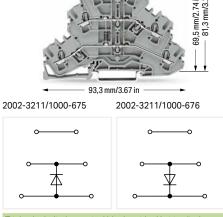
2002-3201

Other terminal blocks with the same profile:

Triple-deck diode tern diodes	Triple-deck diode terminal block; with three 1N4007 diodes		
Color	Item No.	Pack. Unit	
gray	2002-3212/1000-673	50	
gray	2002-3212/1000-674	50	







Triple-deck diode terminal block;, with 1N4007 diode			
Color Item No. Pack. Uni			
gray	2002-3211/1000-675	50	
gray	2002-3211/1000-676	50	

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm2 "s" and 1 ... 2.5 mm2 "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conduc-

tor with a smaller cross section can also be inserted via push-in termination.

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 0.8 mm thick

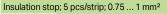


orange	2002-3292	100 (25)
gray	2002-3291	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

200 (25) 2002-171 light gray





dark gray 2002-172 200 (25)



#### Push-in type jumper bar; insulated; $I_N$ 25 A; light gray



#### Push-in type jumper bar; insu ited; I<sub>N</sub> 25 A; light gray

2002-410

25

100 (25)

10-way

1 to 10



Modular connector; snaps together; for jumper contact slot



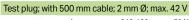
Spacer module; snaps together; bridges commoned terminal blocks

> 2002-549 100 (25) gray

#### End plate; for modular connector; 1.5 mm thick

2002-541 100 (25) gray

2002-511





#### Test plug adapter; for 4 mm Ø test plug

2009-174 100 (25)

#### Accessories; 2002 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V

215-111

2009-115

50

1



#### Testing tap; for max. 2.5 mm<sup>2</sup>

2009-182 100 (25) gray

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5...5.2 mm stretchable

white

### Marking strip; plain; 11 mm wide; 50 m reel

2009-110 white 1

#### WMB marking card; white; 10 strips with 10 markers/card; .. 5.2 mm stretchable

793-5501 5 plain

#### Triple-deck marker carrier; pivoting



Group marker carrier; snap-on type for jumper slot; 5 mm



#### Screwless end stop; for DIN-35 rail; 6 mm wide

249-116 100 (25) gray





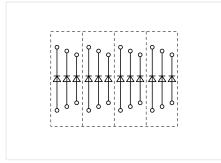
Double- and triple-deck LED terminal blocks: Using LED terminal blocks, monitoring units can be designed, e.g., for control and operating circuits.



Triple-deck diode terminal blocks were specifically developed for custom diode circuits, such as lamp test and collective fault signal circuits.

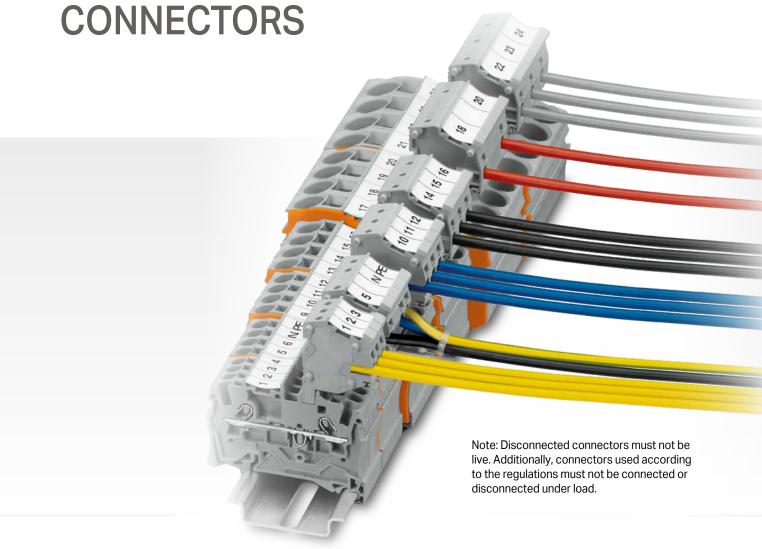
These terminal blocks provide high-density wiring in a width of just 5.2 mm.

Push-in type jumper bars provide additional options for custom circuit design.



Open diode gates can be created and connected individually using the following terminal blocks: 2002-3212/1000-673 or 2002-3212/1000-674

Using push-in type jumper bars, individual decks can be turned into polarized diode gates.



#### Connectors

## **Connector Strips**

## **Testing**



Modular connectors with Push-in CAGE CLAMP® technology offer an additional connection option for conductors of the same size as the terminal block being used (up to 23 A). They can also double as test plugs.

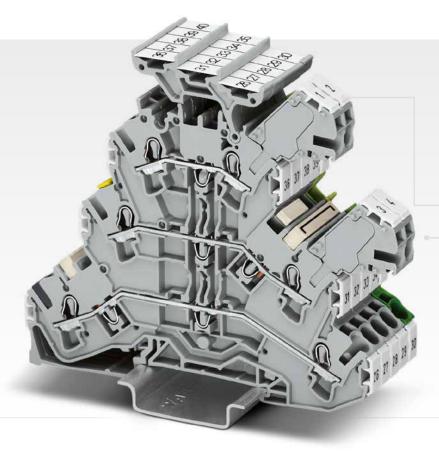


Additionally, 2- to 10-pole connector strips for the 2001 and 2002 Series, as well as 2- to 5-pole connector strips for the 2004 Series are available.



Modular connectors for 2001, 2002, 2004, 2006, 2010 and 2016 Series have a test socket for 2 mm or 2.3 mm Ø test plugs (max. test voltage: 42 V).

## **TESTING ACCESSORIES**



### **Connectors**

- Circuit identification via WMB markers
- Customizable to suit required number of poles

## **Test Plugs**



The Test Plugs TOPJOB® S can be simply pushed into the conductor entry and then unplugged – no tools required. Test plugs are a convenient workaround for multilevel terminal block assemblies with inaccessible jumper slots. Additionally, terminal blocks can be skipped using spacer modules.

## **Test Plug Adapter**



Test plug adapter (2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

## **Testing Tap**



Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm<sup>2</sup> (12 AWG) – compatible with 2000 to 2016 Series

### Connector, Connector Strip TOPJOB® S

## 1 (1.5) mm<sup>2</sup>; 2000 Series and 1.5 (2,5) mm<sup>2</sup>; 2001 Series and 2.5 (4) mm<sup>2</sup>; 2002 Series

0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 500 V/6 kV/3 4 I<sub>N</sub> 13.5 A Terminal block width: 3.5 mm / 0.138 inch □ 9 ... 11 mm / 0.35 ... 0.43 inch



Modular connector; for jumper contact slot; snaps	
together; gray	

	Item No.	Pack. Unit
1-pole	2000-510	100 (25)

Modular connector; with end plate; for jumper contact slot; snaps together; gray Terminal block width: 5 mm / 0.197 inch

2000-511 1-pole 100 (25) **Technical Data** 

I<sub>N</sub> 18 A

22 ... 14 AWG 0.25 ... 1.5 (2.5) mm<sup>2</sup> 2 500 V/6 kV/3 4 300 V, 15 A: **93**3 us

Terminal block width: 4.2 mm / 0.165 inch



Modular connector; for jumper contact slot; snaps
together; gray

	Item No.	Pack. Unit
1-pole	2001-511	100 (25)

**Technical Data** 

0.25 ... 2.5 (4) mm<sup>2</sup> 3 22 ... 12 AWG 500 V/6 kV/3 4 300 V, 20 A 74

I<sub>N</sub> 24 A

Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch



Modular connector; for jumper contact slot; snaps	
together: gray	

	Item No.	Pack. Unit
1-pole	2002-511	100 (25)

Spacer module; snaps together; bridges commoned terminal blocks

U gray	2000-549	100 (25)	
connector strip; for jumper contact slot; gray			
2-pole	2000-552	25	

connector strip; for jumper contact slot; gray		
O 2-pole	2000-552	25
3-pole	2000-553	25
O 4-pole	2000-554	25
5-pole	2000-555	10
O 6-pole	2000-556	10
7-pole	2000-557	10
O 8-pole	2000-558	10
9-pole	2000-559	10
O 10-pole	2000-560	10

Accessories; item-specific

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



white

2009-113

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width plain

793-3501 5 Spacer module; snaps together; bridges commoned terminal blocks

2001-549 100 (25) gray

connector strip; for jumper contact slot; gray		
2-pole	2001-552	25
3-pole	2001-553	25
4-pole	2001-554	25
S-pole	2001-555	10
O 6-pole	2001-556	10
7-pole	2001-557	10
8-pole	2001-558	10
9-pole	2001-559	10
10-pole	2001-560	10

Accessories: item-specific

WMB Inline; plain; 2,000 WMB markers (4 mm)/reel; 4 ... 4.2 mm stretchable

2009-114

WMB marking card; white; 10 strips with 10 markers/card; 4 ... 4.2 mm stretchable

> plain 793-4501

Spacer module; snaps together; bridges commoned terminal blocks

2002-549 100 (25) gray

connector strip; for jumper contact slot; gray			
O 2-pole	2002-552	25	
3-pole	2002-553	25	
O 4-pole	2002-554	25	
5-pole	2002-555	10	
O 6-pole	2002-556	10	
7-pole	2002-557	10	
O 8-pole	2002-558	10	
9-pole	2002-559	10	
10-pole	2002-560	10	

Accessories: item-specific

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

2009-115

WMB marking card; white; 10 strips with 10 markers/card; 5...5.2 mm stretchable

> plain 793-5501

WMB marking card; plain; 10 strips with 10 markers/card; .. 4.2 mm stretchable



793-4501/000-002 vellow 5 red 793-4501/000-005 793-4501/000-006 blue gray 793-4501/000-007 5 793-4501/000-012 orange 5 793-4501/000-017 5 light green green 793-4501/000-023 violet 793-4501/000-024 5

WMB marking card; plain; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable



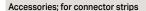
	yellow	793-5501/000-002	5
	red	793-5501/000-005	5
	blue	793-5501/000-006	5
	gray	793-5501/000-007	5
	orange	793-5501/000-012	5
	light green	793-5501/000-017	5
	green	793-5501/000-023	5
	violet	793-5501/000-024	5

- Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- Conductor range: 0.25 ... 2.5 mm² "s+f-st"; Push-in termination: 0.75 ... 2.5 mm² "s" and 0.75 ... 1.5 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 3 Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree

#### Note:

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com



Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End plate; for modular connector; 1.5 mm thick

gray 2002-541 100 (25)

50 (1)

50 (1)

#### Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

red 210-136

#### Test plug; with 500 mm cable; 2.3 mm Ø; max. 42 V

yellow 210-137

#### Strain relief plate; gray

35 mm wide 734-326 100 (25) 6 mm wide 734-327 100 (25) 12.5 mm wide 734-328 100 (25) 25 mm wide 734-329 100 (25)

#### Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110 1



Snapping connectors and spacers together to assemble a multipole connector.



The modular connectors also connect conductors of the same size as the terminal blocks being used.



Operating tool for fine-stranded conductors without ferrules – push-in connection of solid conductors



Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester



Snapping on a strain relief plate.

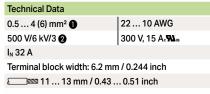


Rail-mount terminal block assembly for electric motor wiring



## Connector, Connector Strip TOPJOB® S

## 4 (6) mm<sup>2</sup>; 2004 Series; 2006 Series; 2010 Series and 2016 Series





Modular connector; for jumper contact slot; snaps together; gray				
Item No. Pack. Unit				
1-pole 2004-511 100 (25)				

Spacer module; snaps together; bridges commoned terminal blocks				
gray 2004-549 100 (25)				

connector strip; for jumper contact slot; gray			
O 2-pole	2004-552	25	
3-pole	2004-553	25	
O 4-pole	2004-554	25	
5-pole	2004-555	10	

Accessories; item-specific				
Test plug; with 500 mm cable; 2.3 mm Ø; max. 42 V				
1	yellow	210-137	50 (1)	



Modular connector; for jumper contact slot; snaps together; gray			
Item No. Pack. Unit			
1-pole	50 (25)		

Spacer module; snaps together; bridges commoned terminal blocks		ges commoned
O gray	2006-549	50 (25)

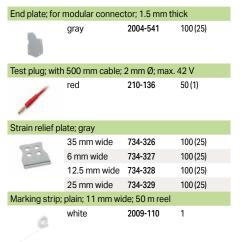


Modular connector; for jumper contact slot; snaps				
together; gray				
Item No. Pack. Unit				
1-pole	2010-511	50 (25)		

Spacer module; snaps together; bridges commoned terminal blocks		
gray	2010-549	50 (25)

Accessories, for connector strips

Appropriate marking systems: WMB/WMB Inline/Marking strips



WMB marking card; white; 10 strips with 10 markers/card; 5 5.2 mm stretchable		
plain	793-5501	5



Technical Data

0.5 ... 4 (6) mm<sup>2</sup> 1 22 ... 10 AWG

500 V/6 kV/3 **2** 

 $I_N 32 A$ 

Terminal block width: 12 mm / 0.472 inch

 $\blacksquare$  11 ... 13 mm / 0.43 ... 0.51 inch



Modular connector; for jumper contact slot; snaps together; gray

	Item No.	Pack. Unit
1-pole	2016-511	50 (25)

Spacer module; snaps together; bridges commoned terminal blocks

gray 2016-549 50 (25)

- Conductor range: 0.5 ... 6 mm² "s+f-st"; Push-in termination: 1.5 ... 6 mm² "s" and 1.5 ... 4 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree

#### Note:

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com



## L-Type Test Plug Module TOPJOB® S for Testing 5.2 mm Wide Rail-Mount Terminal Blocks – via **Conductor Entries**

2.5 (4) mm<sup>2</sup>; 2002 Series

0.25 ... 2.5 (4) mm<sup>2</sup> 1 22 ... 12 AWG 500 V/6 kV/3 2  $I_N 18 A$ Terminal block width: 5.2 mm / 0.205 inch □■ 10 ... 12 mm / 0.39 ... 0.47 inch



Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

> Approvals and corresponding ratings, visit www.wago.com



L-type test plug assembly: L-type test plug modules and L-type spacer modules (max. 10-pole) Additionally, terminal blocks can be skipped using spacer modules.

L-type test plug module; snaps together; gray According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

	Item No.	Pack. Unit
1-pole	2002-611	100 (25)

L-type spacer module; snaps together; bridges commoned terminal blocks

qray 2002-649 100 (25)



L-type test plug modules fitted in a triple-deck terminal



L-type test plug modules for testing rail-mount terminal blocks via conductor entries

#### Accessories; for L-type test plug modules

Appropriate marking systems: WMB/WMB Inline/Mini-WSB

End plate; for modular test plug module; 1.5 mm thick

2002-641 100 (25)

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V red 210-136 50 (1)

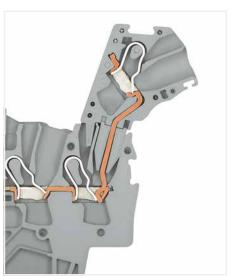
Test plug; with 500 mm cable; 2.3 mm Ø; max. 42 V yellow 210-137 50 (1)

Strain relief plate; gray 734-326 100 (25) 35 mm wide 6 mm wide 734-327 100 (25) 12.5 mm wide 734-328 100 (25) 25 mm wide 734-329 100 (25) WMB Inline, plain; 1,500 WMB markers (5 mm)/reel;

5...5.2 mm stretchable 2009-115

WMB marking card; white; 10 strips with 10 markers/card;

5 ... 5.2 mm stretchable 793-5501



L-type test plug module - cross-sectional view of con-

## Test Plug Adapter, Testing Tap TOPJOB® S 2009 Series



Test plug adapter; for 4 mm Ø test plug; for testing Rail-Mount Terminal Blocks TOPJOB® S
Power must be switched off when installing the test plug adapter. The safety guidelines for working on live installations must be observed.

Color	Item No.	Pack. Unit
gray	2009-174	100 (25)



Testing tap; for max. 2.5 mm²; connects test cables (0.08 ... 2.5 mm²) without tool
Power must be switched off when installing the testing tap. The safety guidelines for working on live installations must be observed.

Color	Item No.	Pack. Unit
□ grav	2009-182	100 (25)



Test plug adapter (2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series



Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

## Colored Push-In Type Jumper Bar TOPJOB® S 2000 Series and 2002 Series









Push-in type jumper bar; insulated; I <sub>N</sub> 14 A; red		
	Item No.	Pack. Unit
2-way	2000-402/000-005	25
3-way	2000-403/000-005	25
4-way	2000-404/000-005	25
5-way	2000-405/000-005	25
6-way	2000-406/000-005	25
7-way	2000-407/000-005	25
8-way	2000-408/000-005	25
9-way	2000-409/000-005	25
10-way	2000-410/000-005	25

Push-in type jumper bar; insulated; I <sub>N</sub> 14 A; blue		
	Item No.	Pack. Unit
2-way	2000-402/000-006	25
3-way	2000-403/000-006	25
4-way	2000-404/000-006	25
5-way	2000-405/000-006	25
6-way	2000-406/000-006	25
7-way	2000-407/000-006	25
8-way	2000-408/000-006	25
9-way	2000-409/000-006	25
10-way	2000-410/000-006	25

Push-in type jumper b	Push-in type jumper bar; insulated; yellow-green	
Item No.		Pack. Unit
2-way	2000-402/000-018	25

Pus	sh-in type jumper b	ar; insulated; I <sub>N</sub> 25 A; re	ed
	2-way	2002-402/000-005	25
	3-way	2002-403/000-005	25
	4-way	2002-404/000-005	25
	5-way	2002-405/000-005	25
	6-way	2002-406/000-005	25
	7-way	2002-407/000-005	25
	8-way	2002-408/000-005	25
	9-way	2002-409/000-005	25
	10-way	2002-410/000-005	25

Push-in type jumper b	ar; insulated; $I_N$ 25 A; b	lue
2-way	2002-402/000-006	25
3-way	2002-403/000-006	25
4-way	2002-404/000-006	25
5-way	2002-405/000-006	25
6-way	2002-406/000-006	25
7-way	2002-407/000-006	25
8-way	2002-408/000-006	25
9-way	2002-409/000-006	25
10-way	2002-410/000-006	25



For example, colored push-in type jumper bars are used with sensor terminal blocks.



## Adjacent Jumper for Continuous Commoning TOPJOB® S 2002 Series

**Technical Data** 

800 V/8 kV/3

I<sub>N</sub> 25 A

red

blue





2002-423/000-005

2002-423/000-006

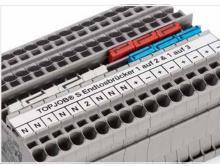
25

25





Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via single jumper slot. Use the second jumper slot for additional commoning or testing.



The 1-to-3 adjacent jumper for continuous commoning enables every other terminal block to be commoned. For example, positive and negative potentials can be accommodated alongside each other.



Adjacent jumpers for continuous commoning (2002-400)

## Staggered Jumper TOPJOB® S 2002 Series

#### **Technical Data** 400 V/6 kV/3 I<sub>N</sub> 25 A





Staggered jumper (seven contacts): Individual jumper contacts can be broken off by bending them. The remaining piece of insulation will meet require-



Staggered jumpers (seven contacts)

#### Staggered jumper; insulated; for 2002, 2003, 2022 and 2202 Series Rail-Mount Terminal Blocks; light gray Item No. Pack. Unit O 2-way 2002-472 25 25 3-way 2002-473 O 4-way 2002-474 25 O 5-way 2002-475 25 25 O 6-way 2002-476 25 2002-477 7-way O 8-way 2002-478 25 9-way 2002-479 25 25 10-way 2002-480 2002-481 25 11-way 2002-482 25 ○ 12-way

Customized staggered jumper; insulated; with contact
lugs broken off at the factory and circuit printing; light
gray

gray		
O 1-3	2002-473/011-000	25
O 1-3-5	2002-475/011-000	25
O 1-3-5-7	2002-477/011-000	25
1-3-5-7-9	2002-479/011-000	25
1-3-5-7-9-11	2002-481/011-000	25



Staggered jumper: Marking with a felt-tip pen.



Locate red stripes of the staggered jumpers on the inside. Insert staggered jumper and push down until it hits backstop.

#### Commoning using staggered jumpers:

Individual jumper contacts can be broken off by bending them. The remaining piece of insulation will meet requirements for clearances and creepage distances. Custom staggered jumpers can be created, e.g., for bridging over a terminal block with a different potential. Make sure that only one contact lug is in contact with the terminal block.

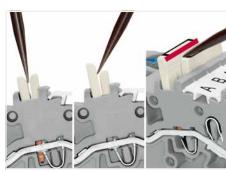
The contact lugs of the customized staggered jumpers contact the terminal blocks via the gaps created in the  $% \left( x\right) =\left( x\right) +\left( x\right) +\left($ second jumper. Insert and press the ready-made jumper assembly into the jumper slot until it hits backstop.



Staggering jumpers in a single jumper slot.

Custom staggered jumpers can be created, e.g., for bridging over a terminal block with a different potential. Make sure that only one contact lug is in contact with the terminal block.

The contact lugs of the customized staggered jumpers contact the terminal blocks via the gaps created in the second jumper. Insert and press the ready-made jumper assembly into the jumper slot until it hits backstop.



Removing a staggered jumper:

Insert the operating tool between the staggered jumpers, then lift up the jumper.



Commoning two potentials in one single jumper slot via extremely slim staggered jumpers.



## Star Point Jumper, Delta Jumper, Collective Jumper Carrier TOPJOB® S



Star point jumper; insulated; 1-3-5; light gray		
	Item No.	Pack. Unit
0	2000-405/011-000	25
0	2001-405/011-000	25
0	2002-405/011-000	25
0	2004-405/011-000	25
0	2006-405/011-000	25
0	2010-405/011-000	25
0	2016-405/011-000	25



Delta jumper; insulated; 1-2 3-4 5-6; light gray		
	Item No.	Pack. Unit
0	2000-406/020-000	25
0	2001-406/020-000	25
0	2002-406/020-000	25
0	2004-406/020-000	25





This star point jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with rail-mount terminal blocks TOPJOB® S.



This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with rail-mount terminal blocks TOPJOB® S.



Collective jumper carrier

## Push-In Type Wire Jumper TOPJOB® S 2009 Series

Technical Data 800 V/8 kV/3 I<sub>N</sub> 9 A



**Technical Data** 

800 V/8 kV/3



Push-in type wire jumpers common terminal blocks over longer distances and across multiple levels.

Push-in type wire jumper; insulated; 0.75 mm² conductor cross-section; for 2000, 2020 and 2200 Series Rail-Mount Terminal Blocks; gray

	Item No.	Pack. Unit
L = 60 mm	2009-402	100 (10)
L = 110 mm	2009-404	100 (10)
L = 250 mm	2009-406	100 (10)

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; for 2001, 2002, 2003, 2022, 2201 and 2202 Series Rail-Mount Terminal Blocks; black

	Item No.	Pack. Unit
L = 60 mm	2009-412	100 (10)
L = 110 mm	2009-414	100 (10)
L = 250 mm	2009-416	100 (10)

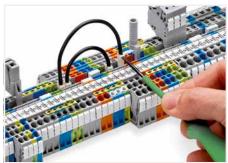


Push-in type wire jumper; insulated; L = 110 mm; 1.5 mm² conductor cross-section; for 2001, 2002, 2003, 2022, 2201 and 2202 Series Rail-Mount Terminal Blocks

Color	Item No.	Pack. Unit
red	2009-414/000-005	100 (10)
blue	2009-414/000-006	100 (10)

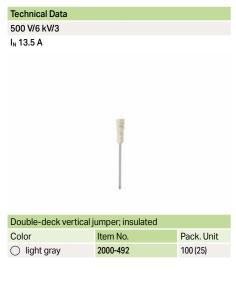


Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.



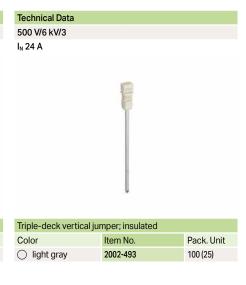
Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

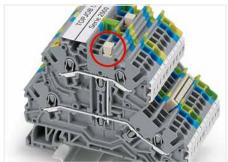
## Vertical Jumper TOPJOB® S 2000 Series and 2002 Series



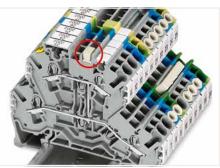


**Technical Data** 





Commoning two levels via double-deck vertical jumper (2000-492).



Commoning two levels via double-deck vertical jumper (2002-492).



Created for double- and triple-deck terminal blocks TOPJOB® S, the vertical jumpers can common two or three levels. Clearly marked numerals ("2" and "3") distinguish the double-deck (2002-492) and triple-deck vertical jumpers (2002-493), even when inserted.



Commoning three levels via triple-deck vertical jumper (2002-493)

## Disconnect plug, Blind Plug for Carrier Terminal Block TOPJOB® S 2002 Series and 2006 Series







Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block

Color	Item No.	Pack. Unit
orange	2002-401	100 (25)



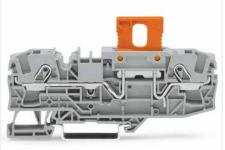
Disconnect plug for carrier terminal blocks; suitable when using a carrier terminal block as disconnect terminal block

Color	Item No.	Pack. Unit
orange	2006-401	100 (25)
O white	2006-401/000-050	100 (25)

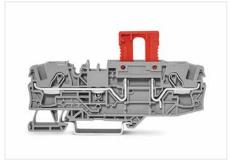




Carrier terminal block (2002-1661) with disconnect plug (2002-401) in operating position

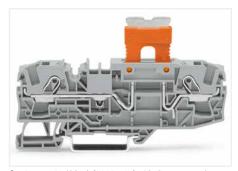


Carrier terminal block (2006-401) with disconnect plug (2006-1661) in operating position



Color

Blind plug (2006-451) for carrier terminal block; indicates a disconnection



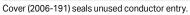
Carrier terminal block (2006-401) with disconnect plug (2006-1661) in parked position

## Lockout Cap TOPJOB® S 2006 Series



Lockout cap; for conductor entry and operating slot		
Color	Item No.	Pack. Unit
gray	2006-191	25



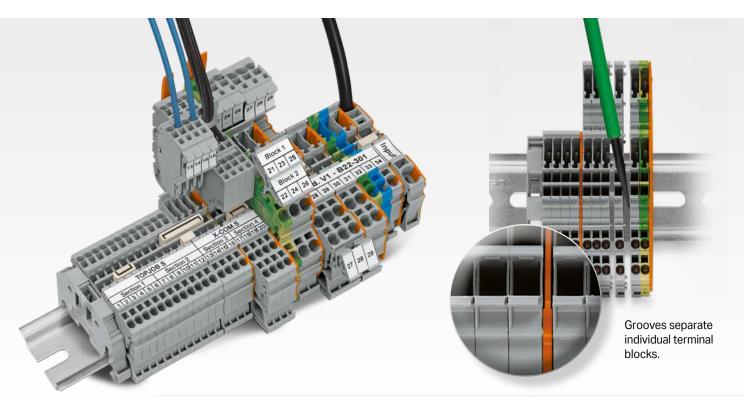




Cover (2006-191) seals unused conductor entry.

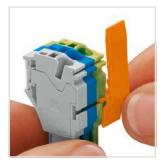
# PLUGGABLE RAIL-MOUNT TERMINAL BLOCKS

## X-COM®S-SYSTEM and X-COM®S-SYSTEM-MINI



### X-COM®S-SYSTEM and X-COM®S-SYSTEM-MINI

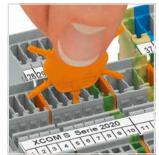
- COM-bine pluggable connectors and rail-mount terminal blocks
- X-COM®S-SYSTEM (2022 Series): up to 4 mm² (12 AWG) at 32 A
- X-COM®S-SYSTEM-MINI (2020 Series): up to 1.5 mm<sup>2</sup> (16 AWG) at just 3.5 mm (0.137 inch) terminal block wide
- Save time and money via pre-assembled components
- Preassembled units can be tested before installation
- Components can be quickly and reliably replaced due to 100% mismating and touch-proof protection



Slide the locking lever into position.



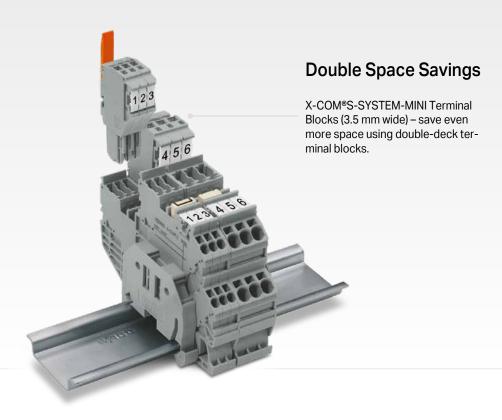
Female plugs can be individually locked.



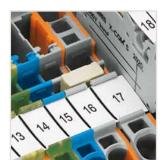
Insert coding pin into the corresponding slot and twist it



Remove the coding finger using a cutting tool.



- X-COM®S-SYSTEM and X-COM®S-SYSTEM-MINI Female Plugs are modular.
- Female plug assemblies up to a maximum of 15 poles can be customized.
- X-COM®S-SYSTEM-MINI Female Plugs do not have an integrated end plate; an end plate must be used at the end of the carrier terminal block assembly.



X-COM®S-SYSTEM Terminal Blocks can be commoned using Jumpers TOPJOB® S. An end plate provides connection to Terminal Blocks TOPJOB® S. 2020 and 2022 Series Terminal Blocks are combinable.



Additional marking option via snap-on type adapter



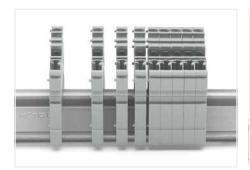
Test plug adapter (CAT I) for 4 mm test plugs or banana plugs – also suitable for X-COM®S-SYSTEM- MINI Terminal Blocks



Carrier terminal blocks and female plugs are touch-proof.

## X-COM®S-SYSTEM-MINI; 2020 Series X-COM®S-SYSTEM; 2022 Series

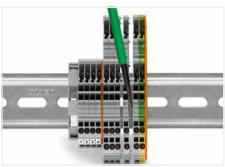
### Description and Installation



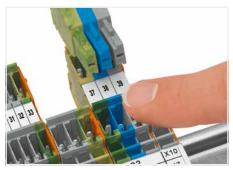
Snap individual carrier terminal blocks onto the DIN-rail and slide together.



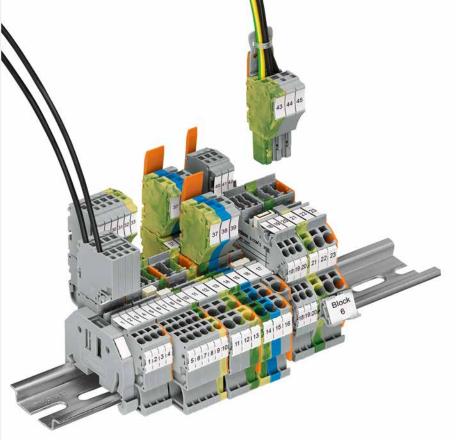
Open the assembly by laterally sliding a block via operating tool (3.5 x 0.5 mm blade).



Separate terminal block assembly and slide individual terminal blocks laterally using an operating tool.



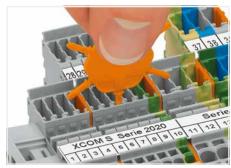
Carrier terminal blocks and female plugs are touch-proof.



Push-in CAGE CLAMP® enables solid conductors to be



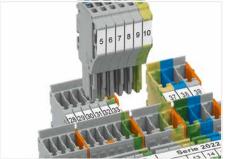
Note: Female plugs used according to the regulations must not be connected/disconnected when live or under load.



Insert coding pin into the corresponding slot and twist it off.



Coding a female plug: remove coding finger using a suitable tool.



Insert coded female connector into X-COM®S-SYSTEM terminal block assembly.



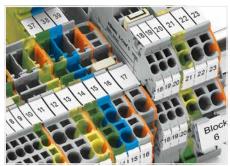
Push-in CAGE CLAMP® terminates the following copper conductors:



stranded "st"



fine-stranded "f-st", also with tinned single strands



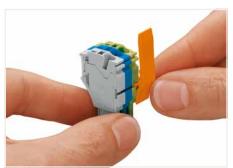
Commoning X-COM®S-SYSTEM Terminal Blocks using jumpers for Terminal Blocks TOPJOB® S. An end plate provides connection to Terminal Blocks TOPJOB® S. 2020 and 2022 Series Terminal Blocks are combinable. Jumper slots are on the same level for both series.



Pairing push-in comb style jumpers.



Commoning with push-in type wire jumper.



Slide the locking lever into position.



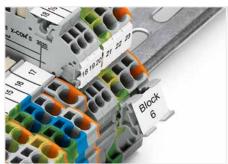
Female plugs can be individually locked.



Test plug adapter (2009-174) for 4 mm test plugs or banana plugs – also suitable for X-COM®S-SYSTEM-MINI Terminal Blocks.



Clear marking via large marking area



Marker carrier (2009-198)



fine-stranded, tip-bonded



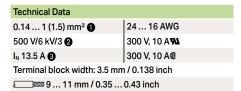
fine-stranded, with ferrule (gastight crimped)



fine-stranded, with pin terminal (gastight crimped)

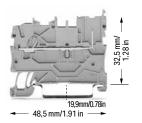
## 1-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/2-Pin Carrier Terminal Block X-COM®S-SYSTEM-MINI

### 1 (1.5) mm<sup>2</sup>; 2020 Series



	Technical Data	
	0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG
	500 V/6 kV/3 2	300 V, 10 A 👊
	I <sub>N</sub> 13.5 A 🔞	300 V, 10 A@
Terminal block width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
500 V/6 kV/3 2	300 V, 10 A 👊	
I <sub>N</sub> 13.5 A <b>3</b>	300 V, 10 A@	
Terminal block width: 3.5 mm / 0.138 inch		
€ 9 11 mm / 0.35 0.43 inch		

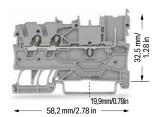


1-conductor/1-pin carrier terminal block			
Color Item No. Pack. Unit			
gray	2020-1201	50	
blue	2020-1204	50	

1-conductor/1-pin ground carrier terminal block		
green-yellow 2020-1207 50		
Assessation item enseific		



Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray



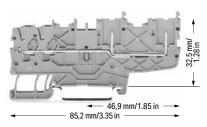
2-conductor/1-pin carrier terminal block			
Color Item No. Pack. Unit			
gray	2020-1301	50	
blue	2020-1304	50	
gray	2020-1301	50	

2-conductor/1-pin ground carrier terminal block

green-yellow



2020-1307

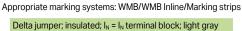


2-conductor/2-pin carrier terminal block			
Color	Item No.	Pack. Unit	
gray	2020-1401	50	
blue	2020-1404	50	

2-conductor/2-pin ground carrier terminal block			
green-yellow	2020-1407	50	

Accessories; item-specific			
End and inter	mediate plate	e; 1 mm thick	
	orange	2020-1492	100 (25)
The same of	gray	2020-1491	100 (25)

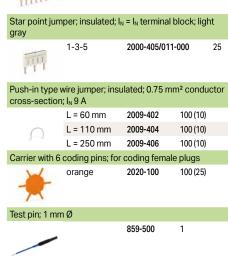
Accessories; 2020 Series

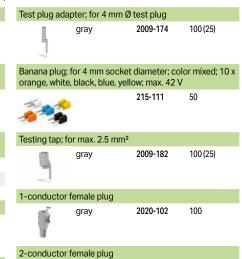


2000-406/020-000

1-2 3-4 5-6

	7	2-way	2000-402	25
	III	3-way	2000-403	25
	LILL	4-way	2000-404	25
		5-way	2000-405	25
		6-way	2000-406	25
		7-way	2000-407	25
		8-way	2000-408	25
		9-way	2000-409	25
		10-way	2000-410	25
	Push-in type jumper bar; insulated; I <sub>N</sub> 14 A; light gray			
		1 to 3	2000-433	25
	Y	1 to 4	2000-434	25
		1 to 5	2000-435	25
		1 to 6	2000-436	25
		1 to 7	2000-437	25
		1 to 8	2000-438	25
		1 to 9	2000-439	25
		1 to 10	2000-440	25
Protective warning marker; with black high-voltage symbol; for 5 terminal blocks				roltage
		yellow	2000-115	100 (25)





gray

2020-202

100



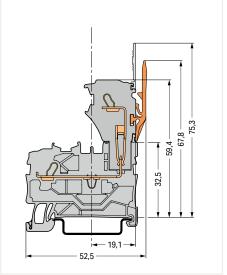
- Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

#### Note:

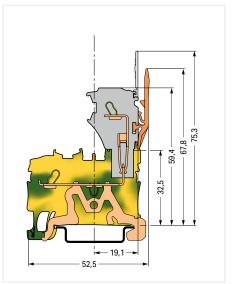
When used as intended, female plugs must not be connected/disconnected when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Carrier terminal block



Ground carrier terminal block

#### Accessories; 2020 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



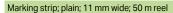
white 2009-113

WMB marking card; white; 10 strips with 10 markers/card;

5

for 3.5 mm terminal block width plain

plain 793-3501



white 2009-110

Screwless end stop; for DIN-35 rail; 6 mm wide

gray **249-116** 100 (25)

#### Screwless end stop; for DIN-35 rail; 10 mm wide

gray **249-117** 50 (25)

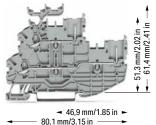


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## 1-Conductor/1-Pin Double-Deck Carrier Terminal Block X-COM®S-SYSTEM-MINI 1 (1.5) mm<sup>2</sup>; 2020 Series

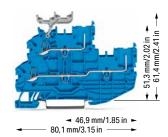
#### 

□ 9 ... 11 mm / 0.35 ... 0.43 inch



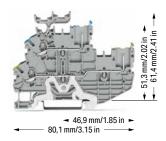
1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L	2020-2231	50
○ N/L	2020-2232	50
○ L/N	2020-2233	50



1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
● N/N	2020-2234	50



1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
O PE/N	2020-2247	50
O PE/L	2020-2257	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; gray

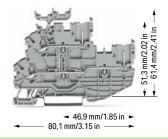
○ L/L	2020-2201	50
○ N/L	2020-2202	50
○ L/N	2020-2203	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; blue

N/N	2020-2204	50

1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; without marker carrier; gray

○ PE/N	2020-2217	50
O PE/L	2020-2227	50

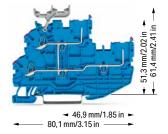


2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L	2020-2238	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; gray

○ L	2020-2208	50

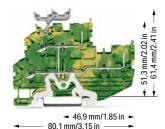


2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N	2020-2239	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor

N	2020-2209	50



2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; with marker carrier; internally commoned; green-yellow

	item No.	Pack. Unit
O PE	2020-2237	50

2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; without marker carrier; internally commoned; green-yellow

O PE	2020-2207	50
<b>○</b> · <b>-</b>		••



- Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Current-carrying capacity curves upon request

When used as intended, female plugs must not be connected/disconnected when live or under load. An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2020 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 1 mm thick

	_		
450	Ø	_	
		7	
(88		3	

2020-2292 100 (25) orange 2020-2291 100 (25) gray

#### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray



2-way 2000-402 25 2000-403 25 3-way 2000-404 25 4-way 5-way 2000-405 25 6-way 2000-406 25 7-way 2000-407 25 8-way 2000-408 25 2000-409 9-way 25 10-way 2000-410 25

#### Push-in type jumper bar; insulated; I<sub>N</sub> 14 A; light gray



1 to 3 2000-433 25 25 1 to 4 2000-434 1 to 5 2000-435 25 2000-436 25 1 to 6 1 to 7 2000-437 25 25 1 to 8 2000-438 2000-439 25 1 to 9 1 to 10 2000-440 25

Double-deck vertical jumper; insulated; I<sub>N</sub> 13.5 A 2000-492 100 (25) light gray

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow TTTT

Carrier with 6 coding pins; for coding female plugs



2020-100 100 (25) orange

859-500

2000-115

100 (25)

1

Test pin; 1 mm Ø

Accessories; 2020 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Test plug adapter; for 4 mm Ø test plug

2009-174

100 (25)

Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V

215-111 50



#### Testing tap; for max. 2.5 mm<sup>2</sup>

gray



2009-182 100 (25)

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V 210-136 50(1) red

#### Test plug; with 500 mm cable; 2.3 mm Ø; max. 42 V



yellow 210-137 50 (1)

#### 1-conductor female plug



2020-102 100

#### 2-conductor female plug



2020-202 100 gray

#### WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel



2009-113 white

#### WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width



793-3501

5

#### Marking strip; plain; 11 mm wide; 50 m reel



2009-110

1

#### Double-deck marker carrier; pivoting



2000-121 50 (25)



Size comparison: Double-deck carrier terminal blocks with 3.5 mm and 5.2 mm terminal block widths

## 1-Conductor Female Plug, 2-Conductor Female Plug X-COM®S-SYSTEM-MINI 1 (1.5) mm<sup>2</sup>; 2020 Series

**Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 500 V/6 kV/3 2 300 V, 10 A 👊 I<sub>N</sub> 13.5 A 3 300 V, 10 A@ Module width: 3.5 mm / 0.138 inch

9 ... 11 mm / 0.35 ... 0.43 inch

**Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 300 V, 10 A 👊 500 V/6 kV/3 2 I<sub>N</sub> 13.5 A 🔞 300 V, 10 A@ Module width: 3.5 mm / 0.138 inch □ 9 ... 11 mm / 0.35 ... 0.43 inch



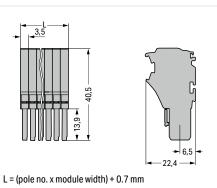


- Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Current-carrying capacity curves upon request

.../000-006 green-yellow .../000-016

Approvals and corresponding ratings, visit www.wago.com

#### Dimensions (in mm):



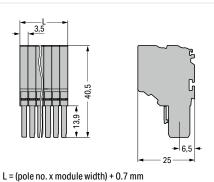
1-conductor female plug; fits into carrier terminal blocks;

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Notice: An appropriate end plate must be applied to the arrier terminal blocks after each female plug

carrier terminal blocks after each female plug.			
Pole No.	Item No.	Pack. Unit	
O 2	2020-102	100	
○ 3	2020-103	50	
O 4	2020-104	50	
O 5	2020-105	50	
O 6	2020-106	50	
O 7	2020-107	25	
○ 8	2020-108	25	
O 9	2020-109	25	
O 10	2020-110	25	
O 11	2020-111	20	
O 12	2020-112	20	
O 13	2020-113	10	
O 14	2020-114	10	
O 15	2020-115	10	





2-conductor female plug; fits into carrier terminal blocks;

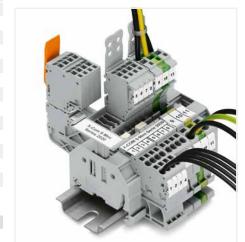
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Pole	e No.	Item No.	Pack. Unit
$\bigcirc$	2	2020-202	100
$\bigcirc$	3	2020-203	50
$\bigcirc$	4	2020-204	50
$\bigcirc$	5	2020-205	50
$\bigcirc$	6	2020-206	25
$\bigcirc$	7	2020-207	25
$\bigcirc$	8	2020-208	25
$\bigcirc$	9	2020-209	25
$\bigcirc$	10	2020-210	25
$\bigcirc$	11	2020-211	20
$\bigcirc$	12	2020-212	20
$\bigcirc$	13	2020-213	10
$\bigcirc$	14	2020-214	10
$\bigcirc$	15	2020-215	10



X-COM®S-SYSTEM terminal block assembly



X-COM®S-SYSTEM terminal block assembly

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

2000-115 100 (25) vellow

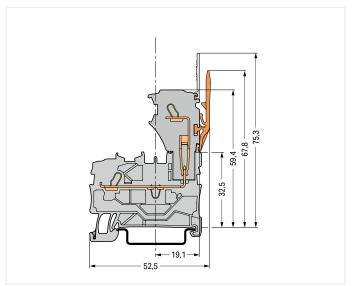


Locking lev	er; 4.8 mm wide			
	orange	2022-142	100 (25)	
TOP	gray	2022-141	100 (25)	
Locking lev	er; 9.6 mm wide			
	orange	2022-152	100 (25)	
-	gray	2022-151	100 (25)	

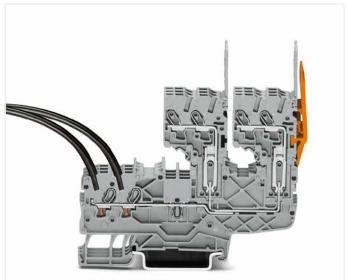
## Carrier Terminal Blocks and 1-/2-Conductor Female Plugs X-COM®S-SYSTEM-MINI Types of Assembly



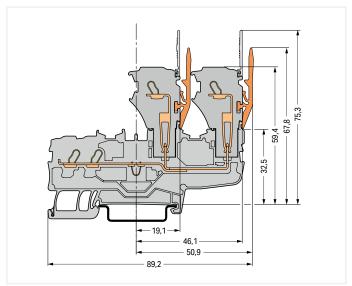
1-conductor female plug Carrier terminal blocks can be commoned via 2000 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



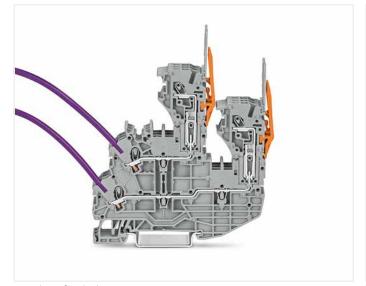
Carrier terminal block



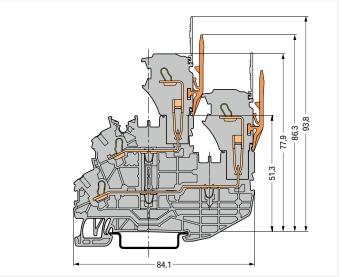
2-conductor female plug Carrier terminal blocks can be commoned via 2000 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



Carrier terminal block



1-conductor female plug Double-deck carrier terminal blocks can be commoned via 2000 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



Double-deck carrier terminal block



1 Conductor range: 0.14 ... 1.5 mm<sup>2</sup> "s+f-st"; Push-in termination: 0.5 ... 1.5 mm<sup>2</sup> "s" and 0.5 ... 0.75 mm<sup>2</sup> "insulated ferrules; 10 mm"

via push-in termination.

2 500 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

visit www.wago.com

Depending on the conductor characteristic, a conduc-

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or

Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

tor with a smaller cross section can also be inserted

3 Current-carrying capacity curves upon request

unmated when live or under load.

Approvals and corresponding ratings,

## Female Plug for Self-Assembly X-COM®S-SYSTEM-MINI

### 1 (1.5) mm<sup>2</sup>; 2020 Series

#### **Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 500 V/6 kV/3 2 300 V, 10 A 74 I<sub>N</sub> 13.5 A 🔞 300 V, 10 A@ Terminal block width: 3.5 mm / 0.138 inch $\blacksquare$ 9 ... 11 mm / 0.35 ... 0.43 inch



5	16.6
1	GH433
5	200
-1	
-	

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
500 V/6 kV/3 2	300 V, 10 A <b>FL</b>	
I <sub>N</sub> 13.5 A <b>③</b>	300 V, 10 A®	
Terminal block width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		



2-conductor end module; codable		
Color	Item No.	Pack. Unit
gray	2020-281	250
blue	2020-284	250
green-yellow	2020-287	250

1-conductor base module; with end plate; codable			
2020-161	250		
2020-164	250		
2020-167	250		
	2020-161 2020-164		

Item No.

2020-181

2020-184

2020-187

2-conductor base module; with end plate; codable			
gray	2020-261	250	
blue	2020-264	250	
green-yellow	2020-267	250	

#### Accessories; for female plugs

1-conductor end module; codable

Color

gray

blue green-yellow

Appropriate marking systems: WMB/WMB Inline/Marking strips

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks 2000-115 100 (25) yellow



Pack. Unit

250

250

250

WMB Inline; pl	ain; 2,300	O WMB markers (3.5 m	nm)/reel
æ	white	2009-113	1

Carrier with 6 coding pins; for coding female plugs



Locking lever;	4.8 mm wide		
	orange	2022-142	100 (25)
TO S	gray	2022-141	100 (25)
2000			

Locking lever;	9.6 mm wide		
	orange	2022-152	100 (25)
-	gray	2022-151	100 (25)

Strain relief pl	ate; gray		
- A	35 mm wide	734-326	100 (25)
00	6 mm wide	734-327	100 (25)
	12.5 mm wide	734-328	100 (25)
	25 mm wide	734-329	100 (25)

WMB marking card; white; 10 strips with 10 markers/card; plain 793-3501

Marking strip; plain; 11 mm wide; 50 m reel 2009-110



#### **Customizing Modular Female Plugs**

WAGO's modular X-COM®S-SYSTEM female plugs can be customized for applications requiring varying numbers of poles (e.g., when designing prototypes).

#### Modules and Pole Numbers

A customized X-COM®S-SYSTEM-MINI female plug consists of:

- One base module with end plate
- Up to 14 end modules

#### Intended Use

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

#### Mounting

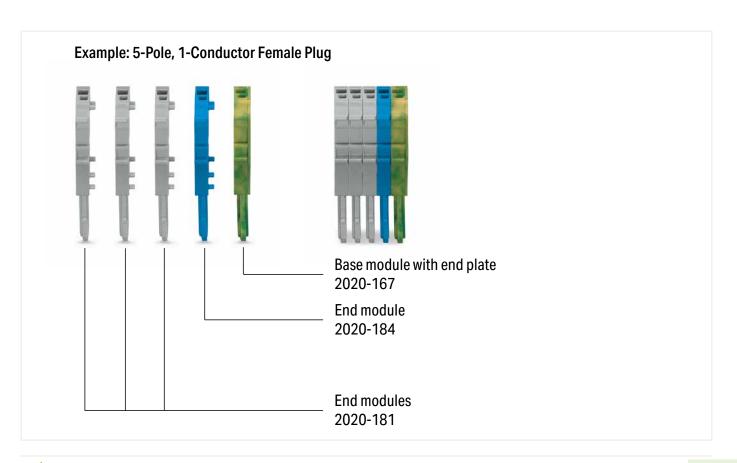
The appropriate mounting tool shall be used in order to guarantee that the individual modules are properly attached to each other without damaging the locking latches





End module

Base module



# Pre-Assembled 1-Conductor Female Plug X-COM®S-SYSTEM-MINI

## 1 (1.5) mm<sup>2</sup>; 2020 Series

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
	300 V, 10 A 👊	
I <sub>N</sub> 13.5 A 🔞	300 V, 10 A®	
Module width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
500 V/6 kV/3 2	300 V, 10 A <b>RL</b>	
I <sub>N</sub> 13.5 A 🔞	300 V, 10 A@	
Module width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
500 V/6 kV/3 <b>2</b>	300 V, 10 A <b>9N</b>	
I <sub>N</sub> 13.5 A <b>③</b>	300 V, 10 A@	
Module width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		







1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2020-103/000-036	50
4	2020-104/000-036	50
5	2020-105/000-036	50
6	2020-106/000-036	50
7	2020-107/000-036	25
8	2020-108/000-036	25
9	2020-109/000-036	25
10	2020-110/000-036	25
11	2020-111/000-036	20
12	2020-112/000-036	20
13	2020-113/000-036	10
14	2020-114/000-036	10
15	2020-115/000-036	10

1-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2020-103/000-037	50
4	2020-104/000-037	50
5	2020-105/000-037	50
6	2020-106/000-037	50
7	2020-107/000-037	25
8	2020-108/000-037	25
9	2020-109/000-037	25
10	2020-110/000-037	25
11	2020-111/000-037	20
12	2020-112/000-037	20
13	2020-113/000-037	10
14	2020-114/000-037	10
15	2020-115/000-037	10

1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2020-103/000-038	50
4	2020-104/000-038	50
5	2020-105/000-038	50
6	2020-106/000-038	50
7	2020-107/000-038	25
8	2020-108/000-038	25
9	2020-109/000-038	25
10	2020-110/000-038	25
11	2020-111/000-038	20
12	2020-112/000-038	20
13	2020-113/000-038	10
14	2020-114/000-038	10
15	2020-115/000-038	10

Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

Carrier with 6 coding pins; for coding female plugs

orange

yellow 2000-115

2020-100

100 (25)



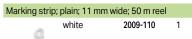


Strain relief plate; gray				
2.3	35 mm wide	734-326	100 (25)	
	6 mm wide	734-327	100 (25)	
	12.5 mm wide	734-328	100 (25)	
	25 mm wide	734-329	100 (25)	

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel 2009-113

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

plain 793-3501

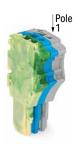


M			
Locking lever	; 4.8 mm wide		
	orange	2022-142	100 (25)
101	gray	2022-141	100 (25)
Locking lever	; 9.6 mm wide		
	orange	2022-152	100 (25)
-	gray	2022-151	100 (25)
The second second second			

#### Technical Data

Module width: 3.5 mm / 0.138 inch

€ 9 ... 11 mm / 0.35 ... 0.43 inch



1-conductor female plug; with ground end module

(green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2020-103/000-039	50
4	2020-104/000-039	50
5	2020-105/000-039	50
6	2020-106/000-039	50
7	2020-107/000-039	25
8	2020-108/000-039	25
9	2020-109/000-039	25
10	2020-110/000-039	25
11	2020-111/000-039	20
12	2020-112/000-039	20
13	2020-113/000-039	10
14	2020-114/000-039	10
15	2020-115/000-039	10

- Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

#### Moto

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Approvals and corresponding ratings, visit www.wago.com



# Pre-Assembled 2-Conductor Female Plug X-COM®S-SYSTEM-MINI

### 1 (1.5) mm<sup>2</sup>; 2020 Series

**Technical Data** 0.14 ... 1 (1.5) mm<sup>2</sup> 24 ... 16 AWG 500 V/6 kV/3 2 300 V, 10 A 74 I<sub>N</sub> 13.5 A 🔞 300 V, 10 A@ Module width: 3.5 mm / 0.138 inch 9 ... 11 mm / 0.35 ... 0.43 inch

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
500 V/6 kV/3 <b>2</b>	300 V, 10 A <b>9</b> L	
I <sub>N</sub> 13.5 A <b>③</b>	300 V, 10 A@	
Module width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		

**Technical Data** 24 ... 16 AWG 0.14 ... 1 (1.5) mm<sup>2</sup> 500 V/6 kV/3 2 300 V, 10 A 744 I<sub>N</sub> 13.5 A 🔞 300 V, 10 A@ Module width: 3.5 mm / 0.138 inch  $\blacksquare$  9 ... 11 mm / 0.35 ... 0.43 inch







2-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2020-203/000-036	50
4	2020-204/000-036	50
5	2020-205/000-036	50
6	2020-206/000-036	50
7	2020-207/000-036	25
8	2020-208/000-036	25
9	2020-209/000-036	25
10	2020-210/000-036	25
11	2020-211/000-036	20
12	2020-212/000-036	20
13	2020-213/000-036	10
14	2020-214/000-036	10
15	2020-215/000-036	10

2-conductor female plug; with ground end module		
(green-yellow); fits into carrier terminal blocks; codable		
Pole No.	Item No.	Pack. Unit
3	2020-203/000-037	50
4	2020-204/000-037	50
5	2020-205/000-037	50
6	2020-206/000-037	50
7	2020-207/000-037	25
8	2020-208/000-037	25
9	2020-209/000-037	25
10	2020-210/000-037	25
11	2020-211/000-037	20
12	2020-212/000-037	20
13	2020-213/000-037	10
14	2020-214/000-037	10
15	2020-215/000-037	10

2-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable				
Pole No.	Item No.	Pack. Unit		
3	2020-203/000-038	50		
4	2020-204/000-038	50		
5	2020-205/000-038	50		
6	2020-206/000-038	50		
7	2020-207/000-038	25		
8	2020-208/000-038	25		
9	2020-209/000-038	25		
10	2020-210/000-038	25		
11	2020-211/000-038	20		
12	2020-212/000-038	20		
13	2020-213/000-038	10		
14	2020-214/000-038	10		
15	2020-215/000-038	10		

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

Carrier with 6 coding pins; for coding female plugs

orange

Locking lever; 4.8 mm wide

gray

yellow 2000-115

2020-100

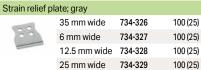
2022-151

100 (25)

100 (25)

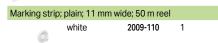






WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel 2009-113

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width 793-3501 plain

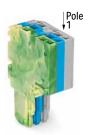


	orange	2022-142	100 (25)		
105	gray	2022-141	100 (25)		
Locking lever; 9.6 mm wide					
	orange	2022-152	100 (25)		

#### Technical Data

Module width: 3.5 mm / 0.138 inch

 $\blacksquare \blacksquare \blacksquare 9 \dots 11 \text{ mm / } 0.35 \dots 0.43 \text{ inch}$ 



2-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks; codable

(green yellow), his into	o carrier terrimar bioer	to, coddbic
Pole No.	Item No.	Pack. Unit
3	2020-203/000-039	50
4	2020-204/000-039	50
5	2020-205/000-039	50
6	2020-206/000-039	50
7	2020-207/000-039	25
8	2020-208/000-039	25
9	2020-209/000-039	25
10	2020-210/000-039	25
11	2020-211/000-039	20
12	2020-212/000-039	20
13	2020-213/000-039	10
14	2020-214/000-039	10
15	2020-215/000-039	10

- Conductor range: 0.14 ... 1.5 mm² "s+f-st";
   Push-in termination: 0.5 ... 1.5 mm² "s" and
   0.5 ... 0.75 mm² "insulated ferrules; 10 mm"
   Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

#### Note

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Approvals and corresponding ratings, visit www.wago.com



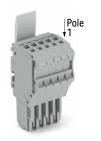
# 1-Conductor Female Plug X-COM®S-SYSTEM-MINI; with Lateral Locking Lever and Strain Relief Plate

### 1 (1.5) mm<sup>2</sup>; 2020 Series

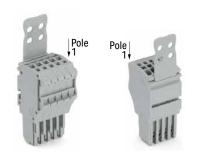
Technical Data			
	24 16 AWG		
500 V/6 kV/3 2	300 V, 10 A 👊		
	300 V, 10 A@		
Module width: 3.5 mm / 0.138 inch			
√ 9 11 mm / 0.35	0.43 inch		

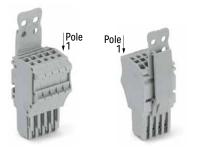
Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
500 V/6 kV/3 2	300 V, 10 A <b>9N</b>	
I <sub>N</sub> 13.5 A 🔞	300 V, 10 A®	
Module width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
500 V/6 kV/3 2	300 V, 10 A <b>9N</b>	
I <sub>N</sub> 13.5 A 🔞	300 V, 10 A@	
Module width: 3.5 mm / 0.138 inch		
911 mm / 0.35 0.43 inch		









1-conductor female plug; with locking lever; fits into				
carrier terminal blocks; codable; gray				
Pole No.	Item No.	Pack. Unit		
O 2	2020-102/122-000	100		
O 3	2020-103/122-000	50		
O 4	2020-104/124-000	50		
O 5	2020-105/124-000	50		
O 6	2020-106/124-000	25		
O 7	2020-107/124-000	25		
0 8	2020-108/124-000	25		
O 9	2020-109/124-000	25		
O 10	2020-110/125-000	25		
O 11	2020-111/125-000	20		
O 12	2020-112/125-000	20		
O 13	2020-113/125-000	10		
O 14	2020-114/125-000	10		
O 15	2020-115/125-000	10		

1 conductor fo	mala plugi with atrain raliaf	plata: fita inta		
1-conductor female plug; with strain relief plate; fits into carrier terminal blocks; codable; gray				
Pole No.	Item No.	Pack. Unit		
O 2	2020-102/132-000	100		
3	2020-103/132-000	50		
O 4	2020-104/133-000	50		
O 5	2020-105/133-000	50		
O 6	2020-106/133-000	25		
O 7	2020-107/134-000	25		
8	2020-108/134-000	25		
O 9	2020-109/134-000	25		
O 10	2020-110/135-000	25		
O 11	2020-111/135-000	20		
O 12	2020-112/135-000	20		
O 13	2020-113/135-000	10		
O 14	2020-114/135-000	10		
O 15	2020-115/135-000	10		

1-conductor female plug; with strain relief plate and locking lever; fits into carrier terminal blocks; codable; gray				
Pole No.	Item No.	Pack. Unit		
O 2	2020-102/142-000	100		
○ 3	2020-103/142-000	50		
O 4	2020-104/143-000	50		
O 5	2020-105/143-000	50		
O 6	2020-106/143-000	25		
O 7	2020-107/144-000	25		
○ 8	2020-108/144-000	25		
O 9	2020-109/144-000	25		
O 10	2020-110/145-000	25		
O 11	2020-111/145-000	20		
O 12	2020-112/145-000	20		
O 13	2020-113/145-000	10		
O 14	2020-114/145-000	10		
O 15	2020-115/145-000	10		

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2000-115 100 (25)



Carrier with 6 coding pins; for coding female plugs orange 2020-100 100 (25)

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/reel
white 2009-113 1

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

plain 793-3501 5

2009-110

plain 793-3501

Marking strip; plain; 11 mm wide; 50 m reel

white



- Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree

visit www.wago.com

3 Current-carrying capacity curves upon request

#### Note

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

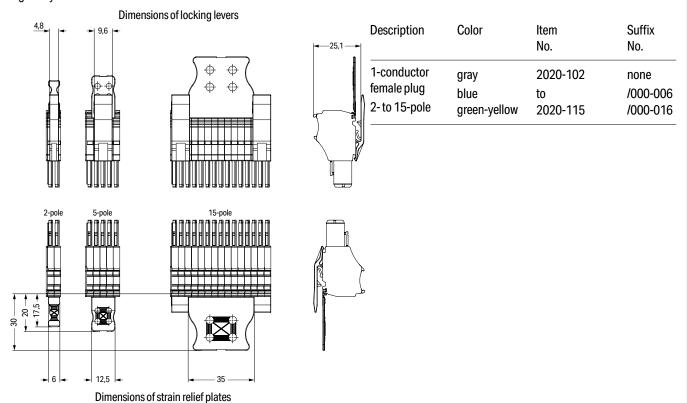
Notice: An appropriate end plate must be applied to

the carrier terminal blocks after each female plug.

Approvals and corresponding ratings,

Strain Reli	or rate (c	on , oray	Assembled	Locking Lev	er (LL), Gray	Asse	embled	SRP and LL, Gray Assembled
	SRP			Pole No.	Quantity	1-Way	2-Way	
			Item No.			Item	No.	Item No.
			Suffix			Suff	ix	Suffix
Item No.	Color	Width						
734-327	gray	6mm	/132-0xx	2 to 3	1	/122-0xx	_	/142-0xx
734-328	gray	12.5mm	/133-0xx	4 to 6	1	_	/124-0xx	/143-0xx
734-329	gray	25mm	/134-0xx	7 to 9	1	_	/124-0xx	/144-0xx
734-326	gray	35mm	/135-0xx	10 to 15	2	_	/125-0xx	/145-0xx

For colored female plugs, the item number suffix "xx" must be replaced by the blue "-006" and the green-yellow "-016" color suffix.



# 2-Conductor Female Plug X-COM®S-SYSTEM-MINI; with Lateral Locking Lever and Strain Relief Plate

### 1 (1.5) mm<sup>2</sup>; 2020 Series

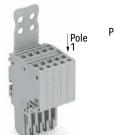
Technical Data		
	24 16 AWG	
	300 V, 10 A 👊	
I <sub>N</sub> 13.5 A <b>3</b>	300 V, 10 A®	
Module width: 3.5 mm / 0.138 inch		
€ 9 11 mm / 0.35 0.43 inch		

Technical Data		
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG	
500 V/6 kV/3 2	300 V, 10 A <b>RU</b>	
I <sub>N</sub> 13.5 A <b>③</b>	300 V, 10 A@	
Module width: 3.5 mm / 0.138 inch		
9 11 mm / 0.35 0.43 inch		

Technical Data			
0.14 1 (1.5) mm <sup>2</sup>	24 16 AWG		
500 V/6 kV/3 2	300 V, 10 A <b>9N</b>		
I <sub>N</sub> 13.5 A <b>3</b>	300 V, 10 A@		
Module width: 3.5 mm / 0.138 inch			
2 9 11 mm / 0.35 0.43 inch			













carrier terminal blocks; codable; gray				
Item No.	Pack. Unit			
2020-202/122-000	100			
2020-203/122-000	50			
2020-204/124-000	50			
2020-205/124-000	50			
2020-206/124-000	25			
2020-207/124-000	25			
2020-208/124-000	25			
2020-209/124-000	25			
2020-210/125-000	25			
2020-211/125-000	20			
2020-212/125-000	20			
2020-213/125-000	10			
2020-214/125-000	10			
2020-215/125-000	10			
	tem No. 2020-202/122-000 2020-203/122-000 2020-204/124-000 2020-205/124-000 2020-206/124-000 2020-206/124-000 2020-208/124-000 2020-209/124-000 2020-210/125-000 2020-211/125-000 2020-211/125-000 2020-213/125-000 2020-211/125-000			

Pole No.	Item No.	Pack, Unit
O 2	2020-202/132-000	100
O 3	2020-203/132-000	50
O 4	2020-204/133-000	50
O 5	2020-205/133-000	50
O 6	2020-206/133-000	25
O 7	2020-207/134-000	25
O 8	2020-208/134-000	25
O 9	2020-209/134-000	25
O 10	2020-210/135-000	25
O 11	2020-211/135-000	20
O 12	2020-212/135-000	20
O 13	2020-213/135-000	10
O 14	2020-214/135-000	10
O 15	2020-215/135-000	10

2-conductor female plug; with strain relief plate and locking lever; fits into carrier terminal blocks; codable; gray				
Pole No.	Item No.	Pack. Unit		
O 2	2020-202/142-000	100		
O 3	2020-203/142-000	50		
O 4	2020-204/143-000	50		
O 5	2020-205/143-000	50		
O 6	2020-206/143-000	25		
O 7	2020-207/144-000	25		
○ 8	2020-208/144-000	25		
O 9	2020-209/144-000	25		
O 10	2020-210/145-000	25		
O 11	2020-211/145-000	20		
O 12	2020-212/145-000	20		
O 13	2020-213/145-000	10		
O 14	2020-214/145-000	10		
O 15	2020-215/145-000	10		

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2000-115 100 (25)



yellow 2000-115 100 (25)

Carrier with 6 coding pins; for coding female plugs
orange 2020-100 100 (25)



white

2009-110

WMB marking card; white; 10 strips with 10 markers/card; for 3.5 mm terminal block width

plain 793-3501 5



- Conductor range: 0.14 ... 1.5 mm² "s+f-st"; Push-in termination: 0.5 ... 1.5 mm² "s" and 0.5 ... 0.75 mm² "insulated ferrules; 10 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 500 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

#### Note

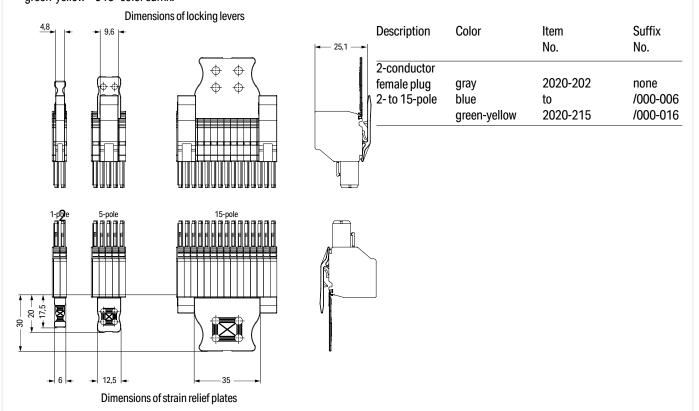
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

Approvals and corresponding ratings, visit www.wago.com

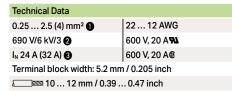
Strain Reli	ei Flate (d	okr), Glay	Assembled	Locking Lev	ei (LL), Giay	Asse	embled	SRP and LL, Gray Assembled
	SRP			Pole No.	Quantity	1-Way	2-Way	
			Item No.			Item	No.	Item No.
			Suffix			Suff	ix	Suffix
Item No.	Color	Width						
734-327	gray	6mm	/132-0xx	2 to 3	1	/122-0xx	_	/142-0xx
734-328	gray	12.5mm	/133-0xx	4 to 6	1	_	/124-0xx	/143-0xx
734-329	gray	25mm	/134-0xx	7 to 9	1	_	/124-0xx	/144-0xx
734-326	gray	35mm	/135-0xx	10 to 15	2	_	/125-0xx	/145-0xx

For colored female plugs, the item number suffix "xx" must be replaced by the blue "-006" and the green-yellow "-016" color suffix.



### 1-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/2-Pin Carrier Terminal Block X-COM®S-SYSTEM

2.5 (4) mm<sup>2</sup>; 2022 Series



Technical Data			
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG		
690 V/6 kV/3 2	600 V, 20 A 👊		
I <sub>N</sub> 24 A (32 A) 3	600 V, 20 A®		
Terminal block width: 5.2 mm / 0.205 inch			
10 12 mm / 0.39 0.47 inch			

Technical Data			
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG		
690 V/6 kV/3 <b>2</b>	600 V, 20 A 👊		
I <sub>N</sub> 24 A (28 A) <b>3</b>	600 V, 20 A@		
Terminal block width: 5.2 mm / 0.205 inch			
10 12 mm / 0.39 0.47 inch			



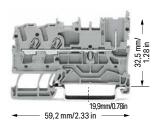
1-conductor/1-pin carrier terminal block					
Color	Item No.	Pack. Unit			
gray	2022-1201	100			
blue	2022-1204	100			
orange 2022-1202 100					

COIOI	item No.	I ack. Offic			
gray	2022-1201	100			
blue	2022-1204	100			
orange	2022-1202	100			
1-conductor/1-pin ground carrier terminal block					

Accessories; item-specific				
End and intermediate plate; 1 mm thick				
	orange	2022-1292	100 (25)	
State of the last	gray	2022-1291	100 (25)	

2022-1207

100



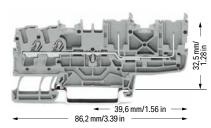
2-conductor/1-pin carrier terminal block				
Color	Item No.	Pack. Unit		
gray	2022-1301	100		
blue	2022-1304	100		
orange	2022-1302	100		

2-conductor/1-pin ground carrier terminal block

green-yellow



2022-1307



2-conductor/2-pin carrier terminal block				
Color	Item No.	Pack. Unit		
gray	2022-1401	50		
blue	2022-1404	50		
orange	2022-1402	50		

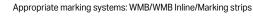
9 ,				
Accessories;	item-specif	ic		
End and interr	mediate plat	e; 1 mm thick		
	orange	2022-1492	100 (25)	
Section 2	gray	2022-1491	100 (25)	

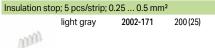
2-conductor/2-pin ground carrier terminal block 2022-1407

areen-vellow

Accessories; 2022 Series

green-yellow







Protective warning marker; with black high-voltage

2002-115

100 (25)



00000

Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray			
	2-way	2002-402	25
TIV	3-way	2002-403	25
IIII	4-way	2002-404	25
	5-way	2002-405	25
	6-way	2002-406	25
	7-way	2002-407	25
	8-way	2002-408	25
	9-way	2002-409	25
	10-way	2002-410	25
Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray			
	1 to 3	2002-433	25



Delta jumper; insulated; I<sub>N</sub> = I<sub>N</sub> terminal block; light gray 1-2 3-4 5-6 2002-406/020-000

Star point jumper; insulated;  $I_N$  =  $I_N$  terminal block; light 1-3-5 2002-405/011-000

11.
Staggered jumper; insulated; I <sub>N</sub> 25 A; light gray

Staggered jumper; insulated; I <sub>N</sub> 25 A; light gray			
	2-way	2002-472	25
16666644	3-way	2002-473	25
Attition	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25
Adjacent jumper for continuous commoning; insulated; l <sub>a</sub> 25 A. light gray			

Adjacent jui	mper for continu 3	ious commonir	ng; insula	ated;
	light gray	2002-423	25	
F	red	2002-423/00	0-005	25
14	blue	2002-423/00	0-006	25

2-way

2002-400

Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A, light gray

25

	5-way	2002-415
141		

Push-in type cross-sectio	wire jumper; in: n; I <sub>N</sub> 18 A	sulated; 1.5 mr	m² conductor
	I = 60 mm	2009-412	100 (10)

	L = 60 mm	2009-412	100 (10)
	L = 110 mm	2009-414	100 (10)
4	L = 250 mm	2009-416	100 (10)

Carrier with 6	coding pins; for	coding female	plugs
1	orange	2022-100	100 (25

1	orange	2022-100	100 (25)	
-				
4 5				
Test pin; 1 mn	n Ø			
		050 500	1	

1-conductor female plug			
gray	2022-101	200	



25



- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 690 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree
- 3 Current-carrying capacity curves upon request

When used as intended, female plugs must not be connected/disconnected when live or under load.

Please observe the application notes: Jumpers, from page 160 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



2022 Series X-COM®S-SYSTEM Carrier Terminal Blocks combined with 2002 Series Through Terminal Blocks



Carrier terminal blocks and female plugs are touch-proof.

#### Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable



2009-115

#### Marking strip; plain; 11 mm wide; 50 m reel



white

2009-110

1

#### WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

plain

793-5501

5



Insert coding pin into the corresponding slot and twist it



#### WMB marking card; plain; 10 strips with 10 markers/card; 5...5.2 mm stretchable



yellow 793-5501/000-002 5 red 793-5501/000-005 5 793-5501/000-006 blue 793-5501/000-007 5 gray 793-5501/000-012 orange light green 793-5501/000-017 green 793-5501/000-023 5 violet 793-5501/000-024 5

#### Screwless end stop; for DIN-35 rail; 6 mm wide 249-116 gray 100 (25)



#### Screwless end stop; for DIN-35 rail; 10 mm wide

gray

249-117

50 (25)



### 2-Pin Carrier Terminal Block, 4-Pin Carrier Terminal Block X-COM®S-SYSTEM 2022 Series

**Technical Data** 690 V/6 kV/3 1 I<sub>N</sub> 24 A(28 A) 2 Terminal block width: 5.2 mm / 0.205 inch **Technical Data** 690 V/6 kV/3 1 I<sub>N</sub> 24 A (27 A) 2

Terminal block width: 5.2 mm / 0.205 inch

■ 690 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

2 Current-carrying capacity curves upon request

When used as intended, female plugs must not be connected/disconnected when live or under load.

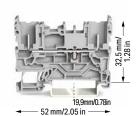
Appropriate marking systems:

Please observe the application notes: Jumpers, from page 160 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

Accessories; 2022 Series

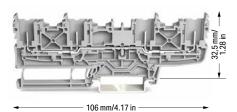
5 ... 5.2 mm stretchable



2-pin carrier terminal block			
Color	Item No.	Pack. Unit	
gray	2022-1601	50	
blue	2022-1604	50	
orange	2022-1602	50	

2-pin ground carrier terminal block				
	green-yellow	2022-1607	50	

Item-Specific Accessories			
End plate; 1 m	nm thick		
	orange	2022-1692	100 (25)
Manual P.	gray	2022-1691	100 (25)



4-pin carrier terminal block				
Color	Item No.	Pack. Unit		
gray	2022-1801	50		
blue	2022-1804	50		
orange	2022-1802	50		

green-yellow	202	2-1807	50	
Item-Specific Accessories				
End plate; 1 mm thick				
ora	inge	2022-1892	100 (25)	
		2022 1001	100 (25)	

4-pin ground carrier terminal block

WMB/WMB Inline/Marking strips 1-conductor female plug gray 2022-101 200 WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; ... 5.2 mm stretchable white 2009-115 Marking strip; plain; 11 mm wide; 50 m reel

	white	2009-110	1	
Q.				

WMB marking card; white; 10 strips with 10 markers/card;

# Appropriate marking systems: WMB/WMB Inline/Marking strips

Accessories; 2022 Series

Push-in type j	umper bar; insul	ated; I <sub>N</sub> 25 A; Ii	ght gray	
	2-way	2002-402	25	
100	3-way	2002-403	25	
IIII	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	
Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				
	1 to 3	2002-433	25	
T.	1 to 4	2002-434	25	
1 1	4 +	2002 425	0.5	

ype jumper bar; insulated; l <sub>N</sub> 25 A; light gray				
	1 to 3	2002-433	25	
	1 to 4	2002-434	25	
	1 to 5	2002-435	25	
	1 to 6	2002-436	25	
	1 to 7	2002-437	25	
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
ner: insulated: $l_{v} = l_{v}$ terminal block: light gray				

Delta jumper; insulated; $I_N = I_N$ terminal block; light gray					
FAR	1-2 3-4 5-6	2002-406/020-000	25		

Star point jumper; insulated; $I_N = I_N$ terminal block; light	
gray	

1-3-5

Adjacent jumper for continuous commoning; insulated;
I <sub>N</sub> 25 A, light grav

2-way	2002-400	25

2002-405/011-000

Staggered jur	mper; insulated;	I <sub>N</sub> 25 A; light gı	ay
- FW	2-way	2002-472	25
The fact of the second	3-way	2002-473	25
Attende	4-way	2002-474	25
	5-way	2002-475	25
	6-way	2002-476	25
	7-way	2002-477	25
	8-way	2002-478	25
	9-way	2002-479	25
	10-way	2002-480	25
	11-way	2002-481	25
	12-way	2002-482	25

,			
Adjacent jumper for continuou	us con	nmoning	; insulated;
I <sub>N</sub> 25 A; 1 to 3			

_	light gray	2002-423	25	
FI	red	2002-423/000-	005	25
14	blue	2002-423/000-	006	25
A 1:				

Adjacent jumper for continuous commoning; insulated; I <sub>N</sub> 25 A, light gray				
1111	5-way	2002-415	25	
Push-in type wire jumper; insulated; 1.5 mm² conductor				

Push-in type wire jumper; insulated; 1.5 mm <sup>2</sup> cond cross-section; I <sub>N</sub> 18 A				m² conductor
		L = 60 mm	2009-412	100 (10)
		L = 110 mm	2009-414	100 (10)

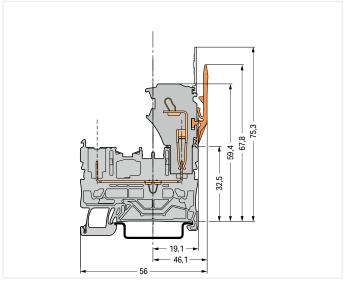
	L - 250 IIIII	2009-410	100 (10)
Carrier with	6 coding pins; f	for coding fema	le plugs
X	orange	2022-100	100 (25)



Screwless end stop; for DIN-35 rail; 10 mm wide				
and,	gray	249-117	50 (25)	



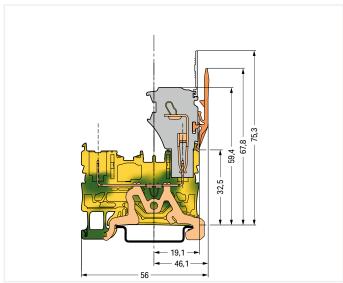
# Carrier Terminal Blocks and 1-Conductor Female Plugs X-COM®S-SYSTEM Types of Assembly



106 106

Carrier terminal block

Carrier terminal block



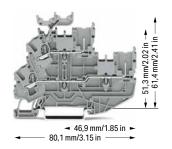
37.5

Ground carrier terminal block

Ground carrier terminal block

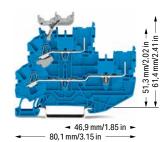
# 1-Conductor/1-Pin Double-Deck Carrier Terminal Block X-COM®S-SYSTEM 2.5 (4) mm²; 2022 Series

Technical Data			
0.25 2.5 (4)	mm² 🚺	22 12 AWG	
690 V/6 kV/3 🛭		600 V, 20 A <b>9</b> 4	
I <sub>N</sub> 24 A (28 A)	3	600 V, 20 A@	
Terminal block width: 5.2 mm / 0.205 inch			
	12 mm / 0 30	0.47 inch	



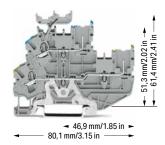
1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
○ L/L	2022-2231	50
○ N/L	2022-2232	50
○ L/N	2022-2233	50



1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; blue

	Item No.	Pack. Unit
● N/N	2022-2234	50



1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; with marker carrier; gray

	Item No.	Pack. Unit
O PE/N	2022-2247	50
O PE/L	2022-2257	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; gray

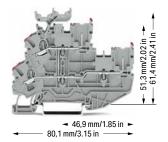
○ L/L	2022-2201	50
○ N/L	2022-2202	50
○ L/N	2022-2203	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; blue

N/N	2022-2204	50

1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; without marker carrier; gray

$\bigcirc$	PE/N	2022-2217	50
$\bigcirc$	PE/L	2022-2227	50

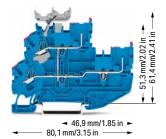


2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry; gray

	Item No.	Pack. Unit
○ L	2022-2238	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; gray

○ L	2022-2208	50

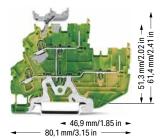


2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry; blue

	Item No.	Pack. Unit
N	2022-2239	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; blue

-		
N	2022-2209	50



2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; with marker carrier; internally commoned; green-yellow

	Item No.	Pack. Unit
O PE	2022-2237	50

2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; without marker carrier; internally commoned; green-yellow

O PE	2022-2207	50

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

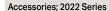
690 V = rated voltage 6 kV = rated impulse voltage 3 = pollution degree

3 Current-carrying capacity curves upon request

When used as intended, female plugs must not be connected/disconnected when live or under load.

Please observe the application notes: Jumpers, from page 160 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Appropriate marking systems: WMB/WMB Inline/Marking strips

Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A, light gray

> 2-way 2002-400

# Adjacent jumper for continuous commoning; insulated;



Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A, light gray

Carrier with 6 coding pins; for coding female plugs

orange

2002-415 25 5-way

2022-100

859-500

100 (25)

1

5



Size comparison: Double-deck carrier terminal blocks with 3.5 mm and 5.2 mm terminal block widths

#### Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 1 mm thick

	orange	2022-2292	100 (25)
Alle .	gray	2022-2291	100 (25)

#### Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)



Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)



Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)



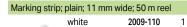


WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; ... 5.2 mm stretchable



1-conductor female plug

2009-115

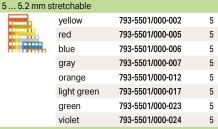


WMB marking card; white; 10 strips with 10 markers/card;



793-5501 plain

# WMB marking card; plain; 10 strips with 10 markers/card;



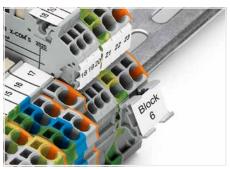
#### Double-deck marker carrier; p oivoting



#### Screwless end stop; for DIN-35 rail; 6 mm wide

249-116 100 (25) gray





Marker carrier (2009-198)

### Push-in type jumper bar; insulated; $I_N$ 25 A; light gray

	2-way	2002-402	25	
TU	3-way	2002-403	25	
IIII	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	
Push-in type jumper bar; insulated; I <sub>N</sub> 25 A; light gray				

#### 2002-433 1 to 3 25 2002-434

1 10 4	2002-434	25
1 to 5	2002-435	25
1 to 6	2002-436	25
1 to 7	2002-437	25
1 to 8	2002-438	25
1 to 9	2002-439	25
1 to 10	2002-440	25

### Double-deck vertical jumper; insulated; I<sub>N</sub> 24 A

light gray	2002-492	100 (25)
orange	2002-492/00	0-012
		100 (25)

### 1-Conductor Female Plug X-COM®S-SYSTEM

### 2.5 (4) mm<sup>2</sup>; 2022 Series

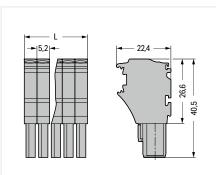
#### **Technical Data**

Module width: 5.2 mm / 0.205 inch

E 10 ... 12 mm / 0.39 ... 0.47 inch



Dimensions (in mm):



L = pole no. x module width

1-conductor female plug; fits into carrier terminal blocks; codable; gray

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load

uninated when live of under load.				
Pole No.	Item No.	Pack. Unit		
O 1	2022-101	200		
O 2	2022-102	200		
○ 3	2022-103	100		
O 4	2022-104	100		
O 5	2022-105	50		
O 6	2022-106	50		
O 7	2022-107	50		
O 8	2022-108	50		
O 9	2022-109	50		
O 10	2022-110	25		
O 11	2022-111	25		
O 12	2022-112	25		
O 13	2022-113	25		
O 14	2022-114	25		
O 15	2022-115	25		

1-conductor female plug; fits into carrier terminal blocks; codable; green-yellow

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

1	2022-101/000-016	200
O 2	2022-102/000-016	200

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

690 V = rated voltage
 6 kV = rated impulse voltage
 3 = pollution degree

3 Current-carrying capacity curves upon request

ltem no. suffixes blue .../000-006 orange .../000-012

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)

mm

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)

00000

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)

TOTAL

Locking lever; 4.8 mm wide orange

orange 2022-142 100 (25) gray 2022-141 100 (25)

Locking lever; 9.6 mm wide

orange 2022-152 100 (25) gray 2022-151 100 (25)

Carrier with 6 coding pins; for coding female plugs orange 2022-100 100 (25)

Strain relief plate; gray

35 mm wide 734-326 100 (25)
6 mm wide 734-327 100 (25)
12.5 mm wide 734-328 100 (25)
25 mm wide 734-329 100 (25)
55 mm wide 734-430 50 (25)

75 mm wide 734-431 50 (25) WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white 2009-115

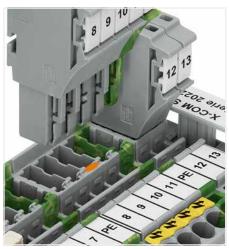
Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

WMB marking card; white; 10 strips with 10 markers/card;  $5 \dots 5.2$  mm stretchable

plain **793-5501** 



Coding a female plug: remove coding finger using a suitable tool.



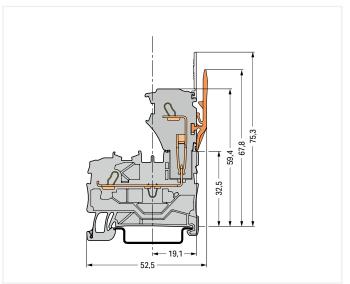
Insert a coding pin (2022-100) into the corresponding location of the carrier terminal block.



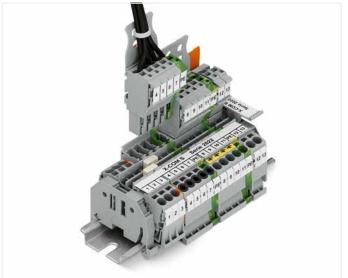
# Carrier Terminal Blocks and 1-Conductor Female Plugs X-COM®S-SYSTEM Types of Assembly



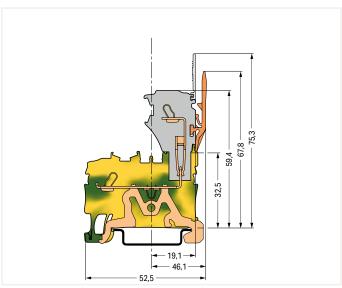
1-conductor female plug Carrier terminal blocks can be commoned via 2002 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



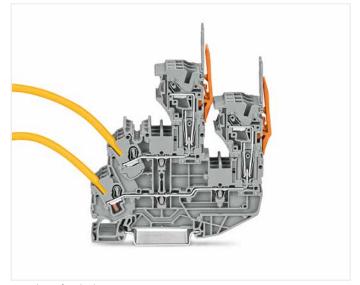
Carrier terminal block



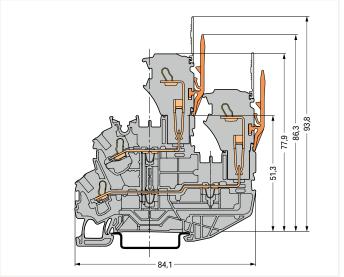
X-COM®S-SYSTEM terminal block assembly



Ground carrier terminal block



1-conductor female plug Double-deck carrier terminal blocks can be commoned via 2002 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.



Double-deck carrier terminal block



# Female Plug for Self-Assembly X-COM®S-SYSTEM

### 2.5 (4) mm<sup>2</sup>; 2022 Series

□ 10 ... 12 mm / 0.39 ... 0.47 inch



1-conductor end module; codable		
Color	Item No.	Pack. Unit
gray	2022-181	250
blue	2022-184	250
orange	2022-182	250
green-yellow	2022-187	250

1-conductor center module; codable		
gray	2022-171	250
blue	2022-174	250
orange	2022-172	250
green-yellow	2022-177	250

r-conductor base module; with integrated end plate; codable		
gray	2022-161	250
blue	2022-164	250
orange	2022-162	250
green-yellow	2022-167	250

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

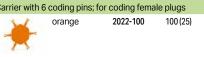
Insulation st	op; 5 pcs/strip;	0.25 0.5 mm	<sup>2</sup>
	light gray	2002-171	200 (25)



Protective warning marker; with black high-voltage
symbol; for 5 terminal blocks

yellow	2002-115	100 (25)

Locking lever	4.8 mm wide		
	orange	2022-142	100 (25)
TOL	gray	2022-141	100 (25)
Locking lever	9.6 mm wide		
	orange	2022-152	100 (25)



Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 690 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

#### Note:

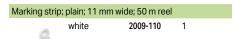
According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Strain relief pla	ate; gray		
	35 mm wide	734-326	100 (25)
00	6 mm wide	734-327	100 (25)
	12.5 mm wide	734-328	100 (25)
	25 mm wide	734-329	100 (25)
	55 mm wide	734-430	50 (25)
	75 mm wide	734-431	50 (25)
WMB Inline, plain; 1,500 WMB markers (5 mm)/reel;			
5 5.2 mm st	retchable		
	white	2009-115	1



WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

WMB marking card; plain; 10 strips with 10 markers/card;

plain **793-5501** 5

. 5.2 mm stretchable			
umm	yellow	793-5501/000-002	5
-iii	red	793-5501/000-005	5
	blue	793-5501/000-006	5
	gray	793-5501/000-007	5
	orange	793-5501/000-012	5
	light green	793-5501/000-017	5
	green	793-5501/000-023	5
	violet	793-5501/000-024	5

#### **Customizing Modular Female Plugs**

WAGO's modular X-COM®S-SYSTEM female plugs can be customized for applications requiring varying numbers of poles (e.g., when designing prototypes).

#### **Modules and Pole Numbers**

A customized X-COM®S-SYSTEM female plug consists of:

- One base module with an integrated end plate
- Up to 13 center modules (corresponding to a 15-pole female plug = maximum pole number)
- One end module

#### Intended Use

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

#### Mounting

The appropriate mounting tool shall be used in order to guarantee that the individual modules are properly attached to each other without damaging the locking latches.



WWW WW

2022-151

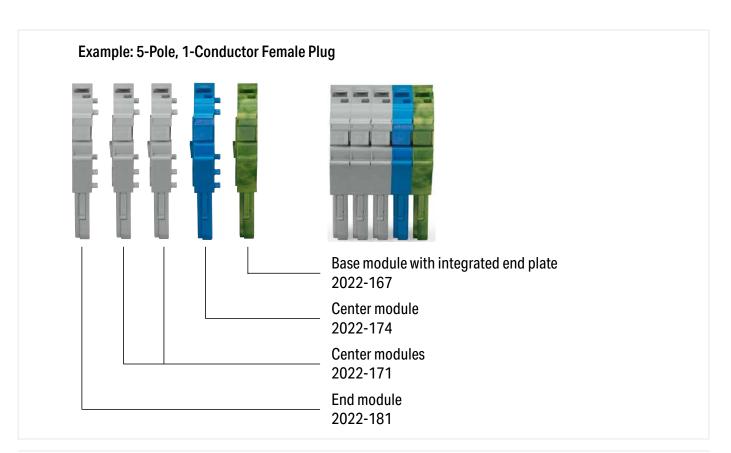
100 (25)







End module Center module Base module



# Pre-Assembled 1-Conductor Female Plug X-COM®S-SYSTEM 2.5 (4) mm<sup>2</sup>; 2022 Series

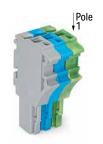
Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
690 V/6 kV/3 <b>2</b>	600 V, 20 A 🗫	
I <sub>N</sub> 24 A (32 A) 3	600 V, 20 A®	
Module width: 5.2 mm / 0.205 inch		
10 12 mm / 0.39 0.47 inch		

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
	600 V, 20 A <b>RA</b>	
I <sub>N</sub> 24 A (32 A) 3	600 V, 20 A®	
Module width: 5.2 mm / 0.205 inch		
10 12 mm / 0.39 0.47 inch		

Technical Data			
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG		
690 V/6 kV/3 2	600 V, 20 A <b>RL</b>		
I <sub>N</sub> 24 A (32 A) 3	600 V, 20 A@		
Module width: 5.2 mm / 0.205 inch			
10 12 mm / 0.39	., 0,47 inch		







1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable			
Pole No.	Item No.	Pack. Unit	
3	2022-103/000-036	100	
4	2022-104/000-036	100	
5	2022-105/000-036	50	
6	2022-106/000-036	50	
7	2022-107/000-036	50	
8	2022-108/000-036	50	
9	2022-109/000-036	50	
10	2022-110/000-036	25	
11	2022-111/000-036	25	
12	2022-112/000-036	25	
13	2022-113/000-036	25	
14	2022-114/000-036	25	
15	2022-115/000-036	25	

1-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks; codable			
Pole No.	Item No.	Pack. Unit	
3	2022-103/000-037	100	
4	2022-104/000-037	100	
5	2022-105/000-037	50	
6	2022-106/000-037	50	
7	2022-107/000-037	50	
8	2022-108/000-037	50	
9	2022-109/000-037	50	
10	2022-110/000-037	25	
11	2022-111/000-037	25	
12	2022-112/000-037	25	
13	2022-113/000-037	25	
14	2022-114/000-037	25	
15	2022-115/000-037	25	

1-conductor female plug; with ground base module (green-yellow); fits into carrier terminal blocks; codable			
Pole No.	Item No.	Pack. Unit	
3	2022-103/000-038	100	
4	2022-104/000-038	100	
5	2022-105/000-038	50	
6	2022-106/000-038	50	
7	2022-107/000-038	50	
8	2022-108/000-038	50	
9	2022-109/000-038	50	
10	2022-110/000-038	25	
11	2022-111/000-038	25	
12	2022-112/000-038	25	
13	2022-113/000-038	25	
14	2022-114/000-038	25	
15	2022-115/000-038	25	

Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation sto	p; 5 pcs/strip	; 0.25 0.5 mm²	
	light gray	2002-171	200 (25)
00000			

Insulation stop; 5 pcs/strip; 0.25 0.5 mm <sup>2</sup>				
	light gray	2002-171	200 (25)	
mm				

130				
Insulation st	op; 5 pcs/strip;	0.75 1 mm²		
	dark gray	2002-172	200 (25)	
00000				

00000			
Protective w symbol; for 5	•	er; with black high- ocks	-voltage
	yellow	2002-115	100 (25)

Links				
Locking lever;	4.8 mm wide			
	orange	2022-142	100 (25)	
705	gray	2022-141	100 (25)	
Locking lever;	Locking lever; 9.6 mm wide			
	orange	2022-152	100 (25)	
	gray	2022-151	100 (25)	
Carrier with 6	coding pins; for	coding female	plugs	
N 1	orange	2022-100	100 (25)	

Strain relief plate; gray				
00075	35 mm wide	734-326	100 (25)	
00	6 mm wide	734-327	100 (25)	
	12.5 mm wide	734-328	100 (25)	
	25 mm wide	734-329	100 (25)	
	55 mm wide	734-430	50 (25)	
	75 mm wide	734-431	50 (25)	

WMB Inline, p 5 5.2 mm s		WMB markers (5 m	m)/reel;	
•	white	2009-115	1	
Marking strip	o; plain; 11 m	nm wide; 50 m reel		
0.	white	2009-110	1	

WMB marking 5 5.2 mm s		10 strips with 10	markers/card
	plain	793-5501	5
WMB marking	, ., .	10 strips with 10	markers/card;

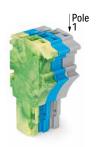
WMB marking 5 5.2 mm st		trips with 10 markers/ca	rd;
1911111111	yellow	793-5501/000-002	5
	red	793-5501/000-005	5
	blue	793-5501/000-006	5
	gray	793-5501/000-007	5
	orange	793-5501/000-012	5
	light green	793-5501/000-017	5
	green	793-5501/000-023	5
	violet	793-5501/000-024	5



Technical Data

Module width: 5.2 mm / 0.205 inch

 $\blacksquare$  10 ... 12 mm / 0.39 ... 0.47 inch



Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

- 690 V = rated voltage
   6 kV = rated impulse voltage
   3 = pollution degree
- 3 Current-carrying capacity curves upon request

#### Note

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com

1-conductor female plug; with ground end module (green-yellow); fits into carrier terminal blocks; coo			
Pole No.	Item No.	Pack. Unit	
3	2022-103/000-039	100	
4	2022-104/000-039	100	
5	2022-105/000-039	50	
6	2022-106/000-039	50	
7	2022-107/000-039	50	
8	2022-108/000-039	50	
9	2022-109/000-039	50	
10	2022-110/000-039	25	
11	2022-111/000-039	25	
12	2022-112/000-039	25	
13	2022-113/000-039	25	
14	2022-114/000-039	25	
15	2022-115/000-039	25	

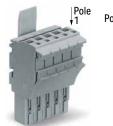


### 1-Conductor Female Plug X-COM®S-SYSTEM; with Lateral Locking Lever and Strain Relief Plate 2.5 (4) mm<sup>2</sup>; 2022 Series

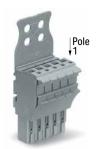
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 600 V, 20 A 🕦 690 V/6 kV/3 2 I<sub>N</sub> 24 A (32 A) 3 600 V, 20 A@ Module width: 5.2 mm / 0.205 inch  $\blacksquare$  10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 600 V, 20 A 👊 690 V/6 kV/3 2 I<sub>N</sub> 24 A (32 A) 3 600 V, 20 A@ Module width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

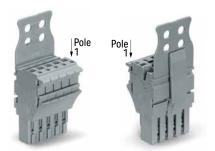
**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 600 V, 20 A 👊 690 V/6 kV/3 2 I<sub>N</sub> 24 A (32 A) 3 600 V, 20 A@ Module width: 5.2 mm / 0.205 inch \_\_\_\_ 10 ... 12 mm / 0.39 ... 0.47 inch











carrier terminal blocks; codable; gray				
Pole No.	Item No.	Pack. Unit		
O 1	2022-101/122-000	200		
O 2	2022-102/122-000	100		
○ 3	2022-103/123-000	100		
O 4	2022-104/123-000	50		
O 5	2022-105/123-000	50		
O 6	2022-106/123-000	50		
O 7	2022-107/123-000	25		
8	2022-108/123-000	25		
O 9	2022-109/123-000	25		
O 10	2022-110/123-000	25		
O 11	2022-111/126-000	25		
O 12	2022-112/126-000	20		
O 13	2022-113/126-000	20		
O 14	2022-114/126-000	10		
O 15	2022-115/127-000	10		

carrier terminal blocks	s; codable; gray	
Pole No.	Item No.	Pack. Unit
O 1	2022-101/132-000	200
O 2	2022-102/132-000	100
○ 3	2022-103/133-000	100
O 4	2022-104/133-000	50
○ 5	2022-105/134-000	50
O 6	2022-106/134-000	50
O 7	2022-107/135-000	25
○ 8	2022-108/135-000	25
O 9	2022-109/135-000	25
O 10	2022-110/135-000	25
O 11	2022-111/136-000	25
O 12	2022-112/136-000	20
O 13	2022-113/136-000	20
O 14	2022-114/136-000	10
O 15	2022-115/137-000	10

1-conductor female plug; with strain relief plate; fits into

1-conductor female p ing lever; fits into carri		
Pole No.	Item No.	Pack. Unit
O 1	2022-101/142-000	200
O 2	2022-102/142-000	100
○ 3	2022-103/143-000	100
O 4	2022-104/143-000	50
O 5	2022-105/144-000	50
O 6	2022-106/144-000	50
O 7	2022-107/145-000	25
O 8	2022-108/145-000	25
O 9	2022-109/145-000	25
O 10	2022-110/145-000	25
O 11	2022-111/146-000	25
O 12	2022-112/146-000	20
O 13	2022-113/146-000	20
O 14	2022-114/146-000	10
O 15	2022-115/147-000	10

1-conductor female plug; with locking lever; fits into carrier terminal blocks; codable

2022-101/122-006 1 blue 200 1 green-yellow 2022-101/122-016 200 1-conductor female plug; with strain relief plate; fits into carrier terminal blocks; codable

1 blue 2022-101/132-006 200 1 green-yellow 2022-101/132-016

1-conductor female plug; with strain relief plate and locking lever; fits into carrier terminal blocks; codable

1 blue 2022-101/142-006 200 1 green-yellow 2022-101/142-016 200

Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray mm

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> 2002-172 200 (25) dark gray 00000

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

2002-115 yellow 100 (25)

Carrier with 6 coding pins; for coding female plugs

2022-100 100 (25) WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; .. 5.2 mm stretchable 2009-115 white

de; 50 m reel white 2009-110

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

WMB marking card; plain; 10 strips with 10 markers/card;

plain 793-5501

5 ... 5.2 mm stretchable

٦	. 0 (0) (0)		
	yellow	793-5501/000-002	5
	red	793-5501/000-005	5
	blue	793-5501/000-006	5
	gray	793-5501/000-007	5
	orange	793-5501/000-012	5
	light green	793-5501/000-017	5
	green	793-5501/000-023	5
	violet	793-5501/000-024	5



- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 690 V = rated voltage6 kV = rated impulse voltage3 = pollution degree
- 3 Current-carrying capacity curves upon request

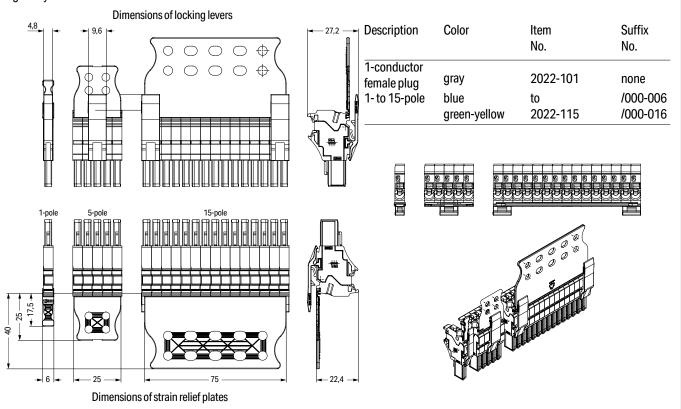
#### Note

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

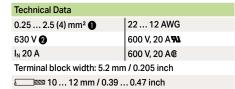
Approvals and corresponding ratings, visit www.wago.com

Strain Reli	ef Plate (S	SRP), Gray		Locking Lev	er (LL), Gray	_		SRP and LL, Gray
			Assembled		Assembled			Assembled
	SRP			Pole No.	Quantity	1-Way	2-Way	
			Item No.			Item	No.	Item No.
			Suffix			Suff	ix	Suffix
Item No.	Color	Width						
734-327	gray	6mm	/132-0xx	1 to 2	1	/122-0xx	_	/142-0xx
734-328	gray	12.5mm	/133-0xx	3 to 4	1	-	/123-0xx	/143-0xx
734-329	gray	25mm	/134-0xx	5 to 6	1	-	/123-0xx	/144-0xx
734-326	gray	35mm	/135-0xx	7 to 10	1	_	/123-0xx	/145-0xx
734-430	gray	55mm	/136-0xx	11 to 14	2	_	/126-0xx	/146-0xx
734-431	gray	75mm	/137-0xx	15	2	_	/127-0xx	/147-0xx

For colored female plugs, the item number suffix "xx" must be replaced by the blue "-006" and the green-yellow "-016" color suffix.

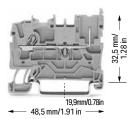


### 1-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/1-Pin Carrier Terminal Block, 2-Conductor/2-Pin Carrier Terminal Block X-COM®S-SYSTEM; for Ex nA Applications 2.5 (4) mm<sup>2</sup>; 2022 Series



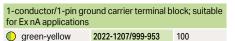
	Technical Data		
	0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
		600 V, 20 A <b>SN</b>	
	I <sub>N</sub> 20 A	600 V, 20 A®	
Terminal block width: 5.2 mm / 0.205 inch			
	10 12 mm / 0.39 0.47 inch		

Technical Data			
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG		
630 V <b>2</b>	600 V, 20 A 👊		
I <sub>N</sub> 20 A	600 V, 20 A@		
Terminal block width: 5.2 mm / 0.205 inch			
10 12 mm / 0.39 0.47 inch			



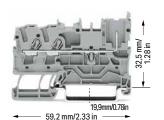
#### 1-conductor/1-pin carrier terminal block; suitable for Ex nA applications

Color	item No.	Pack. Unit
gray	2022-1201/999-953	100
blue	2022-1204/999-953	100



Accessories; item-spe	ecific	



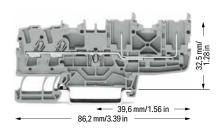


#### 2-conductor/1-pin carrier terminal block; suitable for Ex nA applications Color Itom No Dock Unit

00101	101111101	
gray	2022-1301/999-953	100
blue	2022-1304/999-953	100

2-conductor/1-pin ground carrier terminal block; suitable for Ex nA applications 2022-1307/999-953 green-yellow

Accessories; item-specific				
End and inter	rmediate plat	e; 1 mm thick		
	orange	2022-1392	100 (25)	
and the	gray	2022-1391	100 (25)	



2-conductor/2-pin carrier terminal block; suitable for Ex nA applications

Color	Item No.	Pack. Unit
gray	2022-1401/999-953	50
blue	2022-1404/999-953	50

2-conductor/2-pin ground carrier terminal block; suitable for Ex nA applications 2022-1407/999-953 green-yellow



Accessories; 2022 Series



mm

	dark gray	2002-172	200 (25)
00000			

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks yellow 2002-115 100 (25)

THEFT

Push-in type jumper bar; ins

2-way

3-way 4-way

5-way

6-way

7-way

8-way

9-way 10-way

1 to 10

Appropriate	marking sys	stems: wwb	MINI BINII	ne/iviarking	strips

#### Staggered jumper; insulated; $I_N$ 25 A; light gray 2-way 2002-472 25 25 2002-473 3-way 2002-474 25 4-way 2002-475 25 5-way 2002-476 25 7-way 2002-477 25 8-way 2002-478 25 2002-479 9-way 25 2002-480 10-way 25 11-way 2002-481 25 12-way 2002-482 25

Push-in type w cross-section;		sulated; 1.5 mr	n² conductor
	L = CO mana	2000 412	100 (10)

	L = 60 mm	2009-412	100 (10)	
	L = 110 mm	2009-414	100 (10)	
4	L = 250 mm	2009-416	100 (10)	
Carrier with 6	coding pins; for	r coding fema	le plugs	
1	orange	2022-100	100 (25)	

1-conductor female plug; with shorter locking lever; suitable for Ex nA applications; fits into carrier terminal blocks; codable

859-500



2022-103/999-953 100 WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable white 2009-115

Marking strip; plain; 11 mm wide; 50 m reel 2009-110

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501

WMB marking card; plain; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable



yellow	793-5501/000-002	5
red	793-5501/000-005	5
blue	793-5501/000-006	5
gray	793-5501/000-007	5
orange	793-5501/000-012	5
light green	793-5501/000-017	5
green	793-5501/000-023	5
violet	793-5501/000-024	5





lated; I<sub>N</sub> 25 A;

2002-402

2002-403

2002-404

2002-405

2002-406

2002-407

2002-408

2002-409

2002-410

ated: I<sub>N</sub> 25 A

25

25

25

25

25

25

25

25

25

25

ght gray



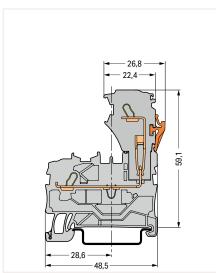
2002-440

- Conductor range: 0.25 ... 4 mm<sup>2</sup> "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 2 630 V = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection

When used as intended, female plugs must not be connected/disconnected when live or under load.

Please observe the application notes: Jumpers, from page 160 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com



Carrier terminal block



 $630\ V$  = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection

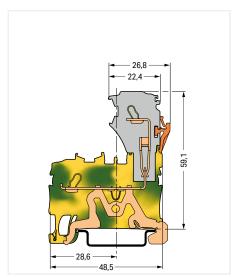
"n" refers to an ignition protection class in Zone 2: This zone covers areas in which a dangerous, explosive atmosphere consisting of gases, vapors or dust is unlikely to exist and will only persist for a short period if it does.

"A" means: non-sparking (function modules without relays/ switches)

#### Ex marking:

"Ex" sign and extended item number ".../999-953" are ex signand extended item number .../999-953 are printed on the side of both carrier terminal blocks and female plugs with Ex approval.

Shorter locking lever (factory-mounted) makes accidental disconnection more difficult.



Ground carrier terminal block

# 1-Conductor/1-Pin Double-Deck Carrier Terminal Block X-COM®S-SYSTEM; for Ex nA Applica-

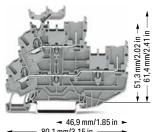
#### 2.5 (4) mm<sup>2</sup>; 2022 Series

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
630 V <b>2</b>	600 V; 20 A <b>N</b>	
I <sub>N</sub> 20 A	600 V; 20 A@	
Terminal block width: 5.2 mm / 0.205 inch		
10 12 mm / 0.39 0.47 inch		

Technical Data		
0.25 2.5 (4) mm <sup>2</sup>	22 12 AWG	
630 V <b>2</b>	600 V; 20 A <b>9</b>	
I <sub>N</sub> 20 A	600 V; 20 A®	
Terminal block width: 5.2 mm / 0.205 inch		
√ ≥ 10 12 mm / 0.39 .	0.47 inch	

**Technical Data** 22 ... 12 AWG 0.25 ... 2.5 (4) mm<sup>2</sup>

Terminal block width: 5.2 mm / 0.205 inch ■ 10 ... 12 mm / 0.39 ... 0.47 inch



80,1 mm/3.15 in

	← 51,3 mm/2.02 in ← 61,4 mm/2.41 in ←
46,9 mm/1.85 in ► 80,1 mm/3.15 in ►	

46.9 mm/1.85 in ► 80,1 mm/3.15 in

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; suitable for Ex nA applications; gray

	Item No.	Pack. Unit
○ L/L	2022-2231/999-953	50
○ N/L	2022-2232/999-953	50
○ L/N	2022-2233/999-953	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; with marker carrier; suitable for Ex nA applications; blue

	Item No.	Pack. Unit
● N/N	2022-2234/999-953	50

1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; with marker carrier; for Ex nA applications; gray

	item No.	Pack. Unit
O PE/N	2022-2247/999-953	50
O PE/L	2022-2257/999-953	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; for Ex nA applications; gray

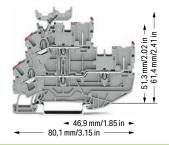
○ L/L	2022-2201/999-953	50
○ N/L	2022-2202/999-953	50
○ L/N	2022-2203/999-953	50

1-conductor/1-pin double-deck carrier terminal block; through/through terminal block; without marker carrier; for Ex nA applications; blue

● N/N	2022-2204/999-953	50

1-conductor/1-pin double-deck carrier terminal block; ground conductor/through terminal block; without marker carrier; for Ex nA applications; gray

0	PE/N	2022-2217/999-953	50
$\bigcirc$	PE/L	2022-2227/999-953	50

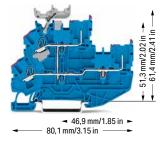


2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry; for Ex nA applications; gray

	Item No.	Pack. Unit
○ L	2022-2238/999-953	50

2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; for Ex nA applications; gray

$\bigcirc$ I	2022-2208/999-953	50
	2022 2200/333 300	00



2-conductor/2-pin double-deck carrier terminal block; 2-conductor/2-pin through terminal block; with marker carrier, internally commoned; violet conductor entry;; for Ex nA applications; blue

	Item No.	Pack. Unit
N	2022-2239/999-953	50

2-conductor/2-pin double-deck carrier terminal block;

2-conductor/2-pin through terminal block; without marker carrier, internally commoned; violet conductor entry; for Ex nA applications; blue

N	2022-2209/999-953	50



2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; with marker carrier; internally commoned; for Ex nA applications; green-yel-

	Item No.	Pack. Unit
O PE	2022-2237/999-953	50

2-conductor/2-pin double-deck carrier block; 2-conductor/2-pin ground conductor block; without marker carrier; internally commoned; for Ex nA applications; green-yellow

O PF	2022-2207/999-953	50

rier (2009-163)

#### PUSH-IN CAGE CLAMP

Group marking with height-adjustable group marker car-

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

630 V = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection with double-deck vertical jumper,

#### Note

When used as intended, female plugs must not be connected/disconnected when live or under load.

Please observe the application notes: Jumpers, from page 160 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

Adjacent jumper for continuous commoning; insulated;  $I_N$  25 A, light gray

2-way 2002-400

# Adjacent jumper for continuous commoning; insulated; $I_{\text{\tiny N}}$ 25 A; 1 to 3



Adjacent jumper for continuous commoning; insulated;  $I_{\text{\tiny N}}$  25 A, light gray

5-way 2002-415 25

#### Carrier with 6 coding pins; for coding female plugs



#### Test pin; 1 mm Ø

859-500

1

1-conductor female plug; with shorter locking lever; suitable for Ex nA applications; fits into carrier terminal blocks; codable

gray 2022-103/999-953

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable

white **2009-115** 1

Marking strip; plain; 11 mm wide; 50 m reel

plain

white 2009-110 1

# WMB marking card; white; 10 strips with 10 markers/card; $5\dots5.2\,\text{mm}$ stretchable

793-5501

5

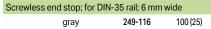
50 (25)

WMB marking card: plain: 10 strips with 10 markers/car

# WMB marking card; plain; 10 strips with 10 markers/card; $5\dots5.2$ mm stretchable

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	yellow	793-5501/000-002	5
	red	793-5501/000-005	5
	blue	793-5501/000-006	5
	gray	793-5501/000-007	5
	orange	793-5501/000-012	5
	light green	793-5501/000-017	5
	green	793-5501/000-023	5
	violet	793-5501/000-024	5
Double-deck marker carrier; pivoting			

#### gray 2002-121





# Accessories; 2022 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### End and intermediate plate; 1 mm thick

	orange	2022-2292	100 (25)
Albert .	gray	2022-2291	100 (25)

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)

Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray **2002-172** 200 (25)

00000

man

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)

# IIII

### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

9-way

	2-way	2002-402	25	
TU	3-way	2002-403	25	
MAIN	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	

# ${10\hbox{-way}} \qquad {2002\hbox{-}410} \qquad 25$ Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

2002-409

25

ısh-ın type jı	umper bar; insul	ated; $I_N$ 25 A; $I_I$	ght gray
	1 to 3	2002-433	25
F	1 to 4	2002-434	25
1 1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

#### Double-deck vertical jumper; insulated; I<sub>N</sub> 24 A

light gray	2002-492	100 (25)
orange	2002-492/00	0-012
		100 (25)

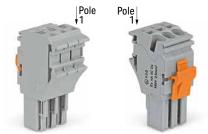


### 1-Conductor Female Plug X-COM®S-SYSTEM; for Ex nA Applications 2.5 (4) mm<sup>2</sup>; 2022 Series

#### **Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 600 V, 20 A 🕦 630 V 2 $I_N 20 A$ 600 V, 20 A@

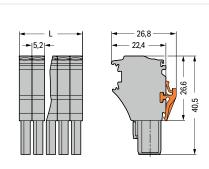
Module width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch





Dimensions (in mm):



L = pole no. x module width

1-conductor female plug; with shorter locking lever; suitable for Ex nA applications; fits into carrier terminal blocks; codable; gray

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Pole No.	item No.	Pack. Unit
O 2	2022-102/999-953	200
O 3	2022-103/999-953	100
O 4	2022-104/999-953	100
O 5	2022-105/999-953	50
O 6	2022-106/999-953	50
O 7	2022-107/999-953	50
○ 8	2022-108/999-953	50

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 630 V = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection

Approvals and corresponding ratings, visit www.wago.com

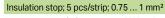
#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

light gray 2002-171 200 (25)

man



2002-172 200 (25)

00000

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

> yellow 2002-115

THEFT

Carrier with 6 coding pins; for coding female plugs

	orange	2022-100	100 (25)
-			
7			
4			

Strain relief plate; gray



WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; .. 5.2 mm stretchable

2009-115 white

Dools Unit

Marking strip; plain; 11 mm wide; 50 m reel 2009-110 white

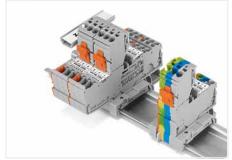
WMB marking card; white; 10 strips with 10 markers/card; .. 5.2 mm stretchable

> 793-5501 plain

WMB marking card; plain; 10 strips with 10 markers/card;



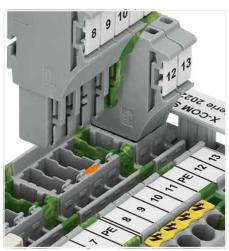
yellow 793-5501/000-002 5 red 793-5501/000-005 5 793-5501/000-006 5 blue gray 793-5501/000-007 5 orange 793-5501/000-012 5 5 light green 793-5501/000-017 793-5501/000-023 5 green 793-5501/000-024 5 violet



Each female plug is supplied with a locking lever.



Coding a female plug: remove coding finger using a suitable tool.



Insert a coding pin (2022-100) into the corresponding location of the carrier terminal block.

# Pre-Assembled 1-Conductor Female Plug X-COM®S-SYSTEM; for Ex nA Applications 2.5 (4) mm²; 2022 Series

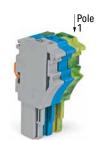
Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via oush-in termination.

2 630 V = rated voltage for use in Zone 2 hazardous areas, "nA" type of protection

#### Note

According to EN 61984, pluggable connectors without a current interrupting capacity must not be mated or unmated when live or under load.

Approvals and corresponding ratings, visit www.wago.com









1-conductor female plug; with shorter locking lever;
with ground base module (green-yellow); fits into carrier
terminal blocks; codable

Pole No.	Item No.	Pack. Unit
3	2022-103/000-038/999-953	100
4	2022-104/000-038/999-953	100
5	2022-105/000-038/999-953	50
6	2022-106/000-038/999-953	50

1-conductor female plug; with shorter locking lever; with ground end module (green-yellow); fits into carrier terminal blocks; codable

Pole No.	Item No.	Pack. Unit
3	2022-103/000-039/999-953	100
4	2022-104/000-039/999-953	100
5	2022-105/000-039/999-953	50
6	2022-106/000-039/999-953	50

#### Accessories; for female plugs

Appropriate marking systems: WMB/WMB Inline/Marking strips

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm² light gray 2002-171 200 (25)

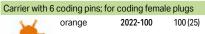
(II)				
Insulation st	op; 5 pcs/strip;	0.75 1 mm²		
	dark gray	2002-172	200 (25)	
- ΔΑ				



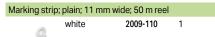
Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 2002-115 100 (25)







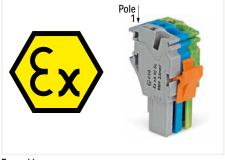








Ctoriabic		
yellow	793-5501/000-002	5
red	793-5501/000-005	5
blue	793-5501/000-006	5
gray	793-5501/000-007	5
orange	793-5501/000-012	5
light green	793-5501/000-017	5
green	793-5501/000-023	5
violet	793-5501/000-024	5



#### Ex marking:

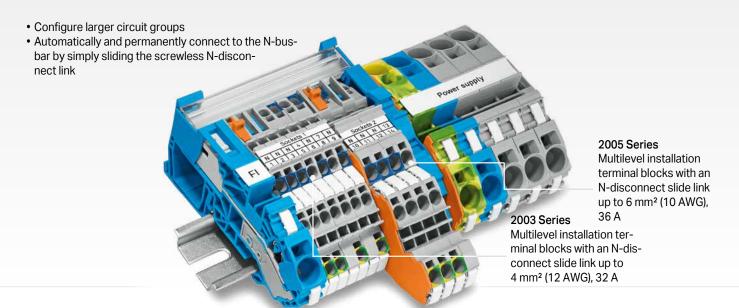
"Ex" sign and extended item number ".../999-953" are printed on the side of both carrier terminal blocks and female plugs with Ex approval.

Shorter locking lever (factory-mounted) makes accidental disconnection more difficult.

# MULTILEVEL INSTALLATION TERMINAL BLOCKS

# For Building Installations and Industrial Applications

# Multilevel Installation Terminal Blocks with N-Disconnect Slide Links for Mounting with N-busbar

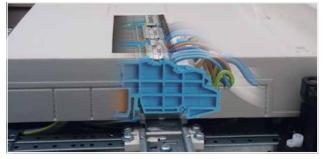


### **Maximum Touch-Proof Safety**

# **Maximum Wiring Space**



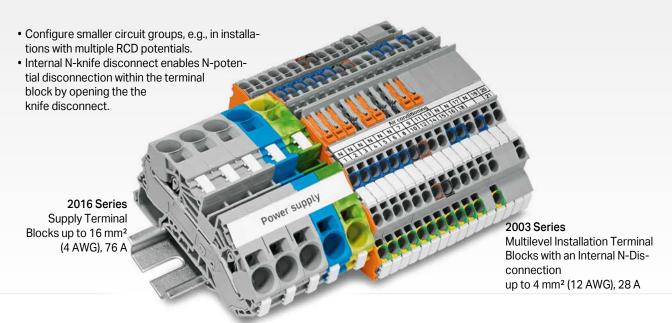
- Transparent busbar cover provides touch protection for the busbar.
- Cover enables user to see if N-disconnect slide links are connected to the N-busbar.



- 2003 and 2005 Series Multilevel Installation Terminal Blocks feature extremely compact dimensions while providing all of the functionality of a 4 mm<sup>2</sup> or 6 mm<sup>2</sup> terminal block.
- Maximize wiring space in standard distribution cabinets.



# Multilevel Installation Terminal Blocks with Internal N-Disconnection for Mounting without N-Busbar

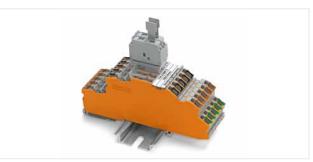


# Insulation Resistance Measurement – Fast and Safe



- Disconnect N-potential via pivoting knife disconnect.
- Plug N/L test adapter into the free shaft to link N and L conductors
- Measurement with connected live conductors halves testing times and protects the connected devices against high test voltage.

# Multilevel Installation Terminal Blocks as Fuse Terminal Block



- Multilevel installation terminal blocks carry a centered slot, allowing them to be used as fuse terminal blocks in a standard distribution board's cutout.
- The fuse plugs for microfuses can be used in combination with an end and intermediate plate (1 mm/0.039 inch thick).

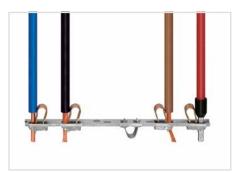
# Installation Rail-Mount Terminal Blocks TOPJOB® S Installation



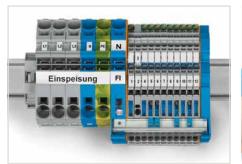
Inserting a conductor via push-in termination. Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.



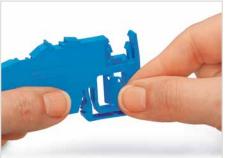
Inserting a conductor via operating tool. Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.



All conductor types at a glance



Mounting busbars on busbar carriers: Insert busbar ends onto large busbar carriers (2009-305) or onto supply terminal blocks with an integrated busbar carrier.



Removing the separator plate from the busbar carrier or from the N-disconnect terminal block.



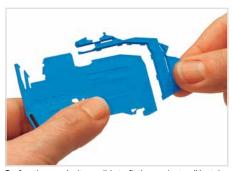
Inserting the separator plate into the busbar carrier to protect the N-busbar against accidental contact.



Inserting separator plate removed from N-disconnect terminal block.



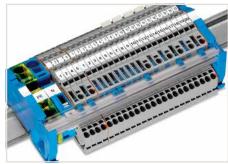
Touch-proof N-busbar via inserted separator plate



Perforations make it possible to fit the carrier to all Installation Rail-Mount Terminal Blocks TOPJOB® S using a single part.



The compact busbar carrier (1.5 mm thick), which is placed every 200 mm, provides additional busbar support for longer assemblies.



The busbar transparent cover (Item No. 777-303) protects the busbar against accidental contact and makes it easy to see which terminal blocks are connected to the busbar.



Tool-operated N-disconnect slide link



Push-in CAGE CLAMP® terminates the following copper conductors: solid "s"



stranded "st"



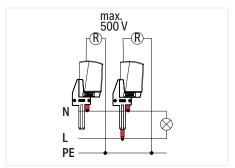
fine-stranded "f-st", also with tinned single strands



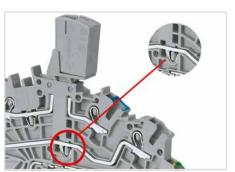
N-potential disconnection via N-knife disconnect within a terminal block assembly without a busbar.



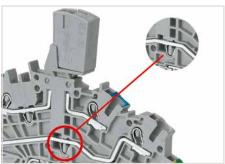
For multilevel installation terminal blocks with internal N-disconnection, test plug adapters can be inserted into the free vertical test slot when the N-potential is disconnected.



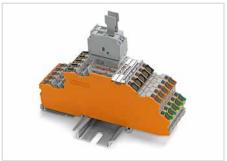
Test plug adapters for both individual N-potential measurement and insulation resistance measurement of the connected N- and L-potentials are available.



Multilevel installation terminal block fitted with an N/L-test plug adapter for quick and safe insulation resistance measurement of the connected N- and L-potentials



Multilevel installation terminal block fitted with an N-test plug adapter for insulation resistance measurement of the N-potential



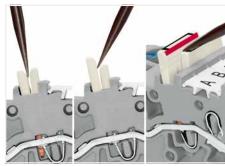
Single-fuse plugs can be used in combination with 1 mm thick end and intermediate plates on carrier terminal blocks without an N-knife disconnect.



Double-fuse plugs with 5 x 25 mm glass cartridge fuses can be used on carrier terminal blocks without an N-knife disconnect in standard terminal block width.



Commoning two potentials in one single jumper slot via extremely slim staggered jumpers.



Insert the operating tool between the staggered jumpers, then lift up the jumper.



fine-stranded, tip-bonded



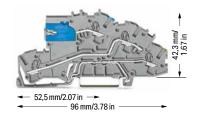
fine-stranded, with ferrule (gastight crimped)



fine-stranded, with pin terminal (gastight crimped)



# Multilevel Installation Terminal Block TOPJOB® S; with N-Disconnect Slide Link 2.5 (4) mm<sup>2</sup>; 2003 Series



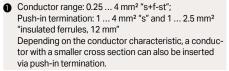
Multilevel installation terminal block; with N-disconnect	
slide link; gray	

	Item No.	Pack. Unit
○ NT/L/PE	2003-7641	50



#### Multilevel installation terminal block; gray

	Item No.	Pack. Unit
○ L/L	2003-7642	50
○ N/L	2003-7649	50



250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V/4 kV potential – ground 400 V/6 kV potential – potential

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

# Lock-out; prevents reclosing of slide link; snap-on type orange 2003-7300 100 (25)



orange 2003-7300 100 (25)

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>
light gray 2002-171 200 (25)



Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup>

dark gray 2002-172 200 (25)



#### Push-in type jumper bar; insulated; $I_N$ 25 A; light gray 2-way 2002-402 25



3-way	2002-403	25	
4-way	2002-404	25	
5-way	2002-405	25	
6-way	2002-406	25	
7-way	2002-407	25	
8-way	2002-408	25	
9-way	2002-409	25	
10-way	2002-410	25	

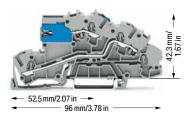
# Push-in type jumper bar; insulated; $I_N$ 25 A; light gray



1 to 3	2002-433	25	
1 to 4	2002-434	25	
1 to 5	2002-435	25	
1 to 6	2002-436	25	
1 to 7	2002-437	25	
1 to 8	2002-438	25	
1 to 9	2002-439	25	



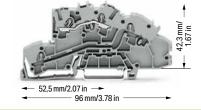
	1 to 8	2002-438	25	
	1 to 9	2002-439	25	
	1 to 10	2002-440	25	
Adjacent ju I <sub>N</sub> 25 A, ligh	mper for continu t gray	ious commonir	ıg; insula	ated;
J	2-way	2002-400	25	
Adjacent ju I <sub>N</sub> 25 A; 1 to	mper for continu 3	ious commonir	ıg; insula	ated;
	light gray	2002-423	25	
Fi	red	2002-423/00	0-005	25
14	blue	2002-423/00	0-006	25
Adjacent ju I <sub>N</sub> 25 A, light	mper for continut t gray	ious commonir	ıg; insula	ated;
	5-way	2002-415	25	



# Multilevel installation terminal block; with N-disconnect slide link; gray

	Item No.	Pack. Unit
○ NT/L	2003-7640	50
○ LT/L	2003-7659	50

Multilevel installation terminal block; gray					
○ N/L/PE	2003-7646	50			
○ L/L/PE	2003-7645	50			



#### Multilevel installation terminal block; gray

	Item No.	Pack. Unit
○ L	2003-7650	50
$\bigcirc$ N	2003-7651	50

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

100 (25)

orange 2003-7692 100 (25)

Busbar carrier; not suitable as an end stop; snaps onto DIN-35 rail; 1.5 mm thick



Busbar carrier; with end stop function and detachable separator plate; snaps onto DIN-35 rail; 7.5 mm thick



busbar cover;	1000 mm long		
	transparent	777-303	1



Busbar; tin-plated; 1000 mm long; copper (10 x 3) mm

Connector,	ioi busbai, witii	blue cover, 2.	10 111111
	blue	210-281	100 (50)
Connector;	for busbar; 2.5 .	35 mm²	
9	unplated	209-105	50

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray 2002-472 25 2-way 3-way 2002-473 25 4-way 2002-474 25 2002-475 5-way 25 6-way 2002-476 25 7-way 2002-477 25 8-way 2002-478 25 9-way 2002-479 25 10-way 2002-480 25 25 11-way 2002-481

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; I<sub>N</sub> 25 A; light gray

12-way

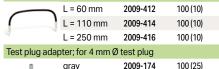


1-3	2002-473/011-000	25
1-3-5	2002-475/011-000	25
1-3-5-7	2002-477/011-000	25
1-3-5-7-9	2002-479/011-000	25
1-3-5-7-9-11	2002-481/011-000	25

2002-482

25

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section; I<sub>N</sub> 18 A



Banana plug: for 4 mm socket diameter: color mixed: 10 x orange, white, black, blue, yellow; max. 42 V



215-111





Test plug; with 500 mm cable; 2 mm Ø; max. 42 V 210-136 50 (1) red

Test plug; with 500 mm cable; 2.3 mm Ø; max. 42 V yellow 210-137 50 (1)

Operating tool; 3.5 mm and 2.5 mm blade width; for Installation Terminal Blocks TOPJOB® S



2009-309 50 (1)

Operating tool; 3.5 mm and 5.5 mm blade width; for Installation Terminal Blocks TOPJOB® S







WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

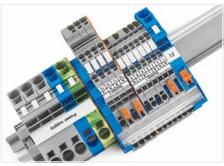
793-5501 plain 5

WMB marking card; plain; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

1911111111	yellow	793-5501/000-	002	5
	red	793-5501/000-	005	5
<b>.</b>	blue	793-5501/000-	006	5
	gray	793-5501/000-	007	5
	orange	793-5501/000-	012	5
	light green	793-5501/000-	017	5
	green	793-5501/000-	023	5
	violet	793-5501/000-	024	5
Screwless end	d stop; for DIN-3	5 rail; 6 mm wi	de	
	gray	249-116	100 (25)	
(ETE)				

Screwless end stop; for DIN-35 rail; 10 mm wide 249-117 50 (25) gray





TOPJOB® S - Terminal Blocks for Every Application

- · Push-in termination of solid conductors in small distribution boards saves time and money.
- Operating errors can be prevented as all Terminal Blocks for building installations are equipped with push-in connection technology.
- The use of standard accessories reduces order-processing and warehousing costs.
- The busbar position is the same, making Installation Terminal Blocks TOPJOB® S compatible with standard Installation Terminal Blocks TOPJOB®.

For the construction and operation of power installations in fire-prone, hazardous locations or public buildings such as conference centers, stores, hospitals, schools, theaters or hotels - the DIN VDE 0100-710 or DIN VDE 0100-718 standards shall be observed. DIN VDE 0100-482 shall also be observed for fire-prone, hazardous locations. These VDE regulations mandate that every neutral conductor must be provided with a disconnection device so, e.g., insulation resistance measurement is possible for every circuit without disconnecting the N-con-

WAGO's N-disconnect terminal blocks meet this requirement.

#### Application note:

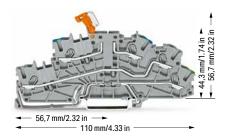
N-disconnect slide links, used in installation terminal blocks, consist of switch contacts that are opened and then closed again as part of regular circuit testing. To guarantee a reliable connection, a corrosion-resistant contact area is required on the N-busbar.

Historically, uninsulated copper busbars that have been cleaned/stripped of any possible corrosion prior to install can be used in dry, pollution-free locations.

According to DIN VDE 0100-520 (VDE 0100, Part 520), installation equipment exposed to contamination or corrosive substances (e.g., water) that promote corrosion or deterioration, must be protected or made of a corrosionor wear-resistant material. In these cases, tinned copper busbars guarantee a reliable connection.

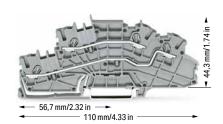
WAGO only offers tinned copper busbars.

# Multilevel Installation Terminal Block TOPJOB® S; with Internal N-Disconnection 2.5 (4) mm²; 2003 Series

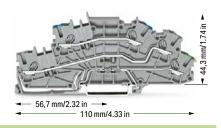


# Multilevel installation terminal block; with pivoting knife disconnect; gray

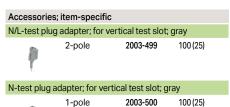
	Item No.	Pack. Unit
○ NT/L/PE	2003-6641	50
○ LT/L/PE	2003-6644	50

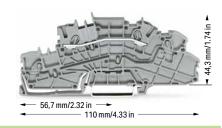


Multilevel installation terminal block, gray			
	Item No.	Pack. Unit	
○ L/L	2003-6642	50	
○ N/L	2003-6649	50	



# Multilevel installation terminal block; gray Item No. Pack. Unit ○ N/L/PE 2003-6646 50 ○ L/L/PE 2003-6645 50





Multilevel installation terminal block; gray			
	Item No.	Pack. Unit	
○ L	2003-6650	50	
$\bigcirc$ N	2003-6651	50	

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

End and intermediate plate; 0.8 mm thick				
	orange	2003-6692	100 (25)	
Insulation sto	p; 5 pcs/strip;	0.25 0.5 mm <sup>2</sup>	2	
	light gray	2002-171	200 (25)	
mm				
Insulation stop; 5 pcs/strip; 0.75 1 mm <sup>2</sup>				
	dark gray	2002-172	200 (25)	
00000				

	3 - ,			3
Push-in type	jumper bar; ins	sulated; I <sub>N</sub> 25 A;	light gra	ıy
	2-way	2002-402	25	
TIV	3-way	2002-403	25	
IIII	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	

)5				
	Push-in type ju	umper bar; insul	ated; I <sub>N</sub> 25 A; li	ght gray
		1 to 3	2002-433	25
	T	1 to 4	2002-434	25
		1 to 5	2002-435	25
		1 to 6	2002-436	25
		1 to 7	2002-437	25
		1 to 8	2002-438	25
		1 to 9	2002-439	25
		1 to 10	2002-440	25
	Push-in type v	vire jumper; insu ; I <sub>N</sub> 18 A	ılated; 1.5 mm	<sup>2</sup> conductor
		L = 60 mm	2009-412	100 (10)
		L = 110 mm	2009-414	100 (10)
	4	L = 250 mm	2009-416	100 (10)

Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V/4 kV potential – ground 400 V/6 kV potential – potential

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Staggered jumper; insulated; I<sub>N</sub> 25 A; light gray



			- 5 - 7	
	2-way	2002-472	25	
	3-way	2002-473	25	
	4-way	2002-474	25	
	5-way	2002-475	25	
	6-way	2002-476	25	
	7-way	2002-477	25	
	8-way	2002-478	25	
	9-way	2002-479	25	
	10-way	2002-480	25	
	11-way	2002-481	25	
	12-way	2002-482	25	

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing;  $l_N$  25 A; light gray



1-3	2002-473/011-000	25
1-3-5	2002-475/011-000	25
1-3-5-7	2002-477/011-000	25
1-3-5-7-9	2002-479/011-000	25
1-3-5-7-9-11	2002-481/011-000	25

Adjacent jumper for continuous commoning; insulated;  $I_N$  25 A, light gray

2-way 2002-400



# Adjacent jumper for continuous commoning; insulated; $\rm I_{N}\,25\;A;\,1\;to\,3$



light gray	2002-423 25	
red	2002-423/000-005	25
blue	2002-423/000-006	25

2002-415

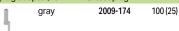
25

Adjacent jumper for continuous commoning; insulated;  $I_{\text{\tiny N}}$  25 A, light gray

5-way



# Test plug adapter; for 4 mm Ø test plug



Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V

215-111



## Testing tap; for max. 2.5 mm<sup>2</sup>



gray 2009-182

100 (25)

50

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

2009-115

WMB Inline, plain; 1,500 WMB markers (5 mm)/reel; 5 ... 5.2 mm stretchable



8

white

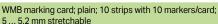
Marking strip; plain; 11 mm wide; 50 m reel
white 2009-110

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

plain 793-5501



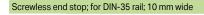
For multilevel installation terminal blocks with internal N-disconnection, test plug adapters can be inserted into the free vertical test slot when the N-potential is disconnected.



5.2 mm St	retchable		
161111111	yellow	793-5501/000-002	5
1000	red	793-5501/000-005	5
	blue	793-5501/000-006	5
	gray	793-5501/000-007	5
	orange	793-5501/000-012	5
	light green	793-5501/000-017	5
	green	793-5501/000-023	5
	violet	793-5501/000-024	5

Screwless end stop; for DIN-35 rail; 6 mm wide gray 249-116 100 (25)





249-117

gray

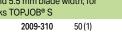


Operating tool; 3.5 mm and 2.5 mm blade width; for Installation Terminal Blocks TOPJOB® S  $\,$ 

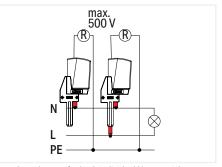


Operating tool; 3.5 mm and 5.5 mm blade width; for Installation Terminal Blocks TOPJOB® S





50 (25)



Test plug adapters for both individual N-potential measurement and insulation resistance measurement of the connected N- and L-potentials are available.

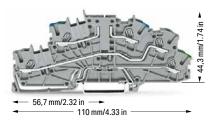
# Multilevel Installation Terminal Block TOPJOB® S

# 2.5 (4) mm<sup>2</sup>; 2003 Series

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V/4 kV/3; 10 A 2 400 V/6 kV/3; 10 A 2 Terminal block width: 5.2 mm / 0.205 inch □ 10 ... 12 mm / 0.39 ... 0.47 inch

**Technical Data** 0.25 ... 2.5 (4) mm<sup>2</sup> 22 ... 12 AWG 250 V/4 kV/3; 10 A 2 400 V/6 kV/3; 10 A 2 Terminal block width: 5.2 mm / 0.205 inch

□ 10 ... 12 mm / 0.39 ... 0.47 inch

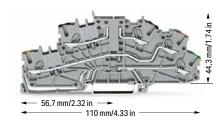


Multilevel installation terminal block; carrier terminal block without knife disconnect; gray Maximum current depends on accessories used.

	Item No.	Pack. Unit
○ N/L/PE	2003-6640	50

Multilevel installation terminal block: carrier terminal block without knife disconnect; blue middle-deck; green-yellow lower-deck printing; gray

○ L/N/PE 2003-6661



Multilevel installation terminal block; carrier terminal block without knife disconnect; black upper-deck, brown middle-deck, green-yellow lower-deck printing Maximum current depends on accessories used

	Item No.	Pack. Unit
O P2/P1/PE	2003-6643	50

Multilevel installation terminal block; carrier terminal block without knife disconnect; brown upper-deck, black middle-deck, green-yellow lower-deck printing

P1/P2/PE

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

## N/L-test plug adapter; for vertical test slot; gray



2-pole 2003-499

### ug adapter; for vertical test slot; gray

es	τ	p	Ш
	e	٥.	

2003-500 100 (25) 1-pole



## End and intermediate plate; 0.8 mm thick



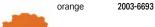
2003-6692 100 (25) orange

Fuse plug with pull-tab; for 5 x 20 mm glass cartridge



Electrical ratings are given by the fuse. 2004-911 50 gray

End and intermediate plate; only for use with fuse plugs; 1 mm thick



Double-fuse plug; for 5 x 20 mm glass cartridge fuse

100 (25)



Electrical ratings are given by the fuse. 2003-911 End and intermediate plate; 1 mm thick; only for use with double-fuse plugs



#### Push-in type jumper bar; insulated; I<sub>N</sub> 25 A; light gray

	2-way	2002-402	25	
TIV	3-way	2002-403	25	
IIII	4-way	2002-404	25	
	5-way	2002-405	25	
	6-way	2002-406	25	
	7-way	2002-407	25	
	8-way	2002-408	25	
	9-way	2002-409	25	
	10-way	2002-410	25	
Push-in type jumper har: insulated: I., 25 Δ: light gray				

Push-in type j	umper bar;	insulated; I <sub>N</sub> 25 A	; light gray	y
	1+02	2002-422	25	

isn-in type j	umper bar; insul	ateu; I <sub>N</sub> 25 A; II	grit gray
	1 to 3	2002-433	25
F	1 to 4	2002-434	25
1 1	1 to 5	2002-435	25
	1 to 6	2002-436	25
	1 to 7	2002-437	25
	1 to 8	2002-438	25
	1 to 9	2002-439	25
	1 to 10	2002-440	25

Push-in type wire jumper; insulated; 1.5 mm² conductor cross-section: I<sub>N</sub> 18 A

	01000 0001011	, 10 / 1		
		L = 60 mm	2009-412	100 (10)
		L = 110 mm	2009-414	100 (10)
	4	L = 250 mm	2009-416	100 (10)

Conductor range: 0.25 ... 4 mm2 "s+f-st"; Push-in termination: 1 ... 4 mm<sup>2</sup> "s" and 1 ... 2.5 mm<sup>2</sup> "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 250 V / 400 V = rated voltage 4 kV / 6 kV = rated impulse voltage 3 = pollution degree 250 V/4 kV potential - ground 400 V/6 kV potential - potential

Please observe the application notes: Jumpers, from page 160 Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

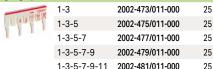
#### Accessories: 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips



2002-476 6-way 25 7-way 2002-477 25 2002-478 25 8-wav 2002-479 25 9-wav 10-way 2002-480 25 11-way 2002-481 25 12-way 2002-482

Customized staggered jumper; insulated; with contact lugs broken off at the factory and circuit printing; I<sub>N</sub> 25 A; light gray



Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A, light gray

2002-400 2-way

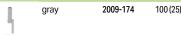
#### Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A: 1 to 3

	~		
	light gray	<b>2002-423</b> 25	
Fi	red	2002-423/000-005	25
14	blue	2002-423/000-006	25

Adjacent jumper for continuous commoning; insulated; I<sub>N</sub> 25 A, light gray



## Test plug adapter; for 4 mm Ø test plug



Banana plug; for 4 mm socket diameter; color mixed; 10 x orange, white, black, blue, yellow; max. 42 V



Testing tap; for max. 2.5 mm<sup>2</sup>



2009-182 100 (25) gray

215-111

50

#### Accessories; 2003 Series

Appropriate marking systems: WMB/WMB Inline/Marking strips

# WMB Inline, plain; 1,500 WMB markers (5 mm)/reel;

5 ... 5.2 mm stretchable

0

2009-115

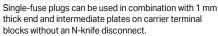
Marking strip; plain; 11 mm wide; 50 m reel

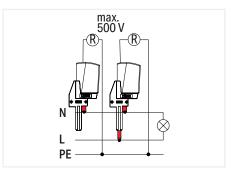
white 2009-110

WMB marking card; white; 10 strips with 10 markers/card;  $5\dots5.2$  mm stretchable

plain

793-5501





Test plug adapters for both individual N-potential measurement and insulation resistance measurement of the connected N- and L-potentials are available.

# WMB marking card; plain; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable



Screwless end stop; for DIN-35 rail; 6 mm wide

gray 249-116



Screwless end stop; for DIN-35 rail; 10 mm wide

gray 249-117 50 (25)



Operating tool; 3.5 mm and 2.5 mm blade width; for Installation Terminal Blocks TOPJOB® S

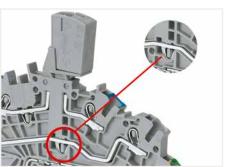
-

2009-309 50 (1)

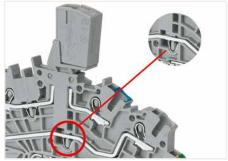
100 (25)

Operating tool; 3.5 mm and 5.5 mm blade width; for Installation Terminal Blocks TOPJOB® S  $\,$ 

2009-310 50 (1)



Multilevel installation terminal block fitted with an N/L-test plug adapter for quick and safe insulation resistance measurement of the connected N- and L-potentials



Multilevel installation terminal block fitted with an N-test plug adapter for insulation resistance measurement of the N-potential



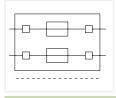
# Double-Fuse Plug TOPJOB® S on Carrier Terminal Block 2.5 (4) mm<sup>2</sup> 2003 Series

**Technical Data** 

250 V /  $I_N$  6.3 A

Plug width: 10.4 mm / 0.409 inch





Double-fuse plug; for 5 x 20 mm glass cartridge fuse Electrical ratings are given by the fuse.

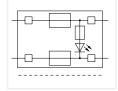
Color	Item No.	Pack. Unit
gray	2003-911	50

**Technical Data** 

250 V /  $I_N$  6.3 A

Plug width: 10.4 mm / 0.409 inch





Double-fuse plug; for 5 x 20 mm glass cartridge fuse; with LED; gray

Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED

	Item No.	Pack. Unit
○ 230 V	2003-911/1000-923	50

Length for 2002-1661 - 66.5 mm / 2.62 inch 2-conductor carrier terminal block

Length for 2002-1761 - 76.8 mm / 3.02 inch 3-conductor carrier terminal block

Length for 2002-1861 - 87.5 mm / 3.45 inch 4-conductor carrier terminal block

Length for 2002-1961 - 72.9 mm / 2.87 inch 2-conductor carrier terminal block with additional

Length for 2002-2961 - 108 mm / 4.25 inch Double-deck carrier terminal block

Length for 2003-6640 - 110 mm / 4.33 inch Multilevel Installation Terminal Block

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for fuse plugs

Appropriate marking systems: WMB/Marking strips

Multilevel installation terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

> N/L/PE 2003-6640



Multilevel installation terminal block;  $0.25\dots2.5$  (4)  $\text{mm}^2$  /  $22\dots12$  AWG Terminal block width: 5.2 mm / 0.205 inch

> L/N/PE 2003-6661



Multilevel installation terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

> P2/P1/PE 2003-6643



Multilevel installation terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

> P1/P2/PE 2003-6660



End and intermediate plate; 0.8 mm thick



orange 2003-6692



End and intermediate plate; 1 mm thick; only for use with double-fuse plugs



2003-6694 100 (25) orange

100 (25)

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501 5 plain



WMB marking card; plain; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable



yellow	793-5501/000-002	5
red	793-5501/000-005	5
blue	793-5501/000-006	5
gray	793-5501/000-007	5
orange	793-5501/000-012	5
light green	793-5501/000-017	5
green	793-5501/000-023	5
violet	793-5501/000-024	5

#### Accessories; for fuse plugs

Appropriate marking systems: WMB/Marking strips

2-conductor carrier terminal block; 0.25 ... 2.5 (4) mm2 / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

2002-1661



End and intermediate plate: 1 mm thick

2002-1692 100 (25) orange 2002-1691 gray 100 (25)

3-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

2002-1761 50



End and intermediate plate; 1 mm thick

orange	2002-1792	100 (25)
gray	2002-1791	100 (25)

4-conductor carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch



2002-1861



End plate for fuse terminal blocks; 2 mm thick			
	orange	2002-992	100 (25)
	gray	2002-991	100 (25)
-11			

0.25 ... 2.5 (4) mm2 / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch 2002-1961

2-conductor carrier terminal block;



End and intermediate plate; 1 mm thick

orange	2002-1992	100 (25)
gray	2002-1991	100 (25)

Double-deck carrier terminal block;  $0.25\dots2.5$  (4)  $\text{mm}^2$  /  $22\dots12$  AWG Terminal block width: 5.2 mm / 0.205 inch

2002-2961 L/L



Double-deck carrier terminal block; 0.25 ... 2.5 (4) mm2 / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

> L/N 2002-2963



Double-deck carrier terminal block; 0.25 ... 2.5 (4) mm<sup>2</sup> / 22 ... 12 AWG Terminal block width: 5.2 mm / 0.205 inch

L/L 2002-2941



Shorting link; 5 x 20 mm; allows the fuse plug to be used as a disconnect plug I<sub>N</sub> 6.3 A 281-503 250 (25)





Double-fuse plugs with 5 x 25 mm glass cartridge fuses can be used on carrier terminal blocks without an N-knife disconnect in standard terminal block width.

Series Item No.	Overload and short circuit protection		Short circuit protection only	
	Individual argmt.	Group argmt.	Individual argmt.	Group argmt.
	Fuse terminal blocks			
2003-911 2003-911/	1.6 W	1.6 W	2.5 W	2.5 W

When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal blocks must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on fuse cartridges. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.



# Multilevel Installation Terminal Block TOPJOB® S; with N-Disconnect Slide Link 4 (6) mm<sup>2</sup>; 2005 Series

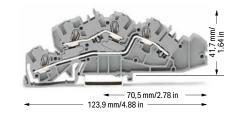
**Technical Data** 0.5 ... 4 (6) mm<sup>2</sup> 20 ... 10 AWG 250 V/4 kV/3; 36 A (36 A) 2 400 V/6 kV/3; 36 A (36 A) 2 Terminal block width: 6.2 mm / 0.244 inch □■ 11 ... 13 mm / 0.43 ... 0.51 inch

Technical Data 0.5 ... 4 (6) mm<sup>2</sup> 20 ... 10 AWG 400 V/6 kV/3 2 I<sub>N</sub> 36 A Terminal block width: 6.2 mm / 0.244 inch □ 11 ... 13 mm / 0.43 ... 0.51 inch



Multilevel installation terminal block; with N-disconnect	
slide link; gray	

	Item No.	Pack. Unit
○ NT/L/PE	2005-7641	50



## Multilevel installation terminal block; gray

	Item No.	Pack. Unit
○ L/L	2005-7642	50
○ N/L	2005-7649	50

Conductor range: 0.5 ... 6 mm2 "s+f-st"; Push-in termination: 1.5 ... 6 mm<sup>2</sup> "s" and 1.5 ... 4 mm<sup>2</sup> "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.

2 250 V/400 V = rated voltage 4 kV/6 kV = rated impulse voltage 3 = pollution degree 250 V/4 kV potential - ground 400 V/6 kV potential - potential

Please observe the application notes: Testing accessories, page 159 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

### Accessories; 2005 Series

Appropriate marking systems: WMB/Marking strips

Insulation stop; 5 pcs/strip; 0.25 ... 0.5 mm<sup>2</sup>

2004-171 200 (25) light gray

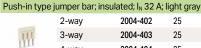
Insulation stop; 5 pcs/strip; 0.75 ... 1 mm<sup>2</sup> dark gray

2004-172

200 (25)

100 (25)

100 (25)



00000

2-way	2004-402	25
3-way	2004-403	25
4-way	2004-404	25
5-way	2004-405	25
6-way	2004-406	25
7-way	2004-407	25
8-way	2004-408	25
9-way	2004-409	25
10-way	2004-410	25

# Push-in type jumper bar; insulated; I<sub>N</sub> 32 A; light gray

1 to 3	2004-433	25	
1 to 4	2004-434	25	
1 to 5	2004-435	25	
1 to 6	2004-436	25	
1 to 7	2004-437	25	
1 to 8	2004-438	25	
1 to 9	2004-439	25	
1 to 10	2004-440	25	

#### Test plug adapter; for 4 mm Ø test plug 2009-174 gray

Banana plug; for 4 mm socket diameter; color mixed; 10 x

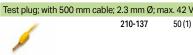
orange, white, black, blue, yellow; max. 42 V 215-111



Testing tap; for max. 2.5 mm<sup>2</sup>

2009-182 gray

Test plug; with 500 mm cable; 2 mm Ø; max 210-136 red 50 (1)





Multilevel installation t	terminal block; gray	
	Item No	Pac

	Item No.	Pack. Unit
○ N/L/PE	2005-7646	50

Multilevel inst	allation	terminal	block; g	ray

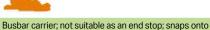
○ L/L/PE	2005-7645	50
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#### Accessories; 2005 Series

Appropriate marking systems: WMB/Marking strips

End	and	interr	nediat	e plat	e; 1	mm	thick

orange	2005-7692	100 (25)



DIN-35 rail; 1.5 mm thick



Busbar carrier: with end stop function and detachable separator plate; snaps onto DIN-35 rail; 7.5 mm thick









Lock-out; prevents reclosing of slide link; snap-on type

N-supply terminal block;  $I_N$  76 A; 16 mm<sup>2</sup>; 12 mm wide

blue

2005-7300

2016-7714

100 (25)



#### Accessories; 2005 Series

O,

Screwless

Appropriate marking systems: WMB/Marking strips

#### Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501

#### WMB marking card; plain; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

	yellow	793-5501/000-002	5
	red	793-5501/000-005	5
1	blue	793-5501/000-006	5
	gray	793-5501/000-007	5
	orange	793-5501/000-012	5
	light green	793-5501/000-017	5
	green	793-5501/000-023	5
	violet	793-5501/000-024	5
enc	stop; for DIN-3	5 rail; 6 mm wide	

249-116

100 (25)

gray

Screwless end stop; for DIN-35 rail; 10 mm wide

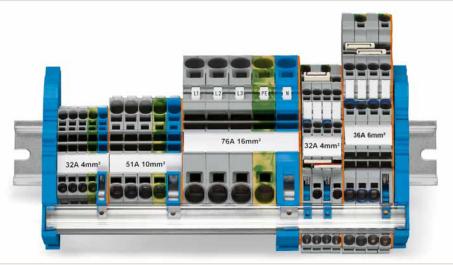
249-117 50 (25) gray

Operating tool; 3.5 mm and 2.5 mm blade width; for

Installation Terminal Blocks TOPJOB® S 2009-309 50 (1)

Operating tool; 3.5 mm and 5.5 mm blade width; for Installation Terminal Blocks TOPJOB® S

50 (1)



#### Application note:

N-disconnect slide links, used in installation terminal blocks, consist of switch contacts that are opened and then closed again as part of regular circuit testing. To guarantee a reliable connection, a corrosion-resistant contact area is required

Historically, uninsulated copper busbars that have been cleaned/stripped of any possible corrosion prior to install can be used in dry, pollution-free locations.

According to DIN VDE 0100-520 (VDE 0100, Part 520), installation equipment exposed to contamination or corrosive substances (e.g., water) that promote corrosion or deterioration, must be protected or made of a corrosion- or wear-resistant material. In these cases, tinned copper busbars guarantee a reliable connection.

WAGO only offers tinned copper busbars.



# N-Disconnect Terminal Block, Power Distribution Disconnect Terminal Block TOPJOB® S 2002 Series; 2006 Series; 2010 Series; 2016 Series

Technical Data

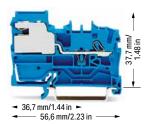
0.5 ... 6 (10) mm² ② 20 ... 8 AWG

250 V/4 kV/3 ⑤

I<sub>N</sub> 51 A

Terminal block width: 7.5 mm / 0.295 inch

□■■ 13 ... 15 mm / 0.51 ... 0.59 inch



1-conductor N-disconnect terminal block			
Color	Item No.	Pack. Unit	
blue	2002-7114	50	

1-conductor power distribution disconnect terminal block				
gray	2002-7111	50		

Appropriate through and ground conductor terminal

Lock-out; prevents reclosing of slide link; snap-on type

2002-7192

2005-7300

100 (25)

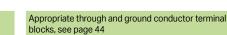
blocks, see page 38

Accessories; item-specific

End and intermediate plate; 0.8 mm thick

orange

orange



→ 35,3 mm/1.39 in

1-conductor N-disconnect terminal block

Color blue

block gray

60,1 mm/2.37 in

2006-7114

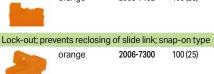
1-conductor power distribution disconnect terminal

2006-7111

Pack. Unit

50

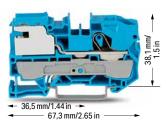




Busbar carrier; not suitable as an end stop; snaps onto

Accessories; for N-conductor and power distribution disconnect terminal blocks

Appropriate marking systems: WMB/Marking strips



1-conductor N-disconnect terminal block			
Color	Item No.	Pack. Unit	
blue	2010-7114	25	

1-conductor pow block	er distribution discor	nnect terminal
	2010-7111	25

Appropriate through a	nd around condi	ictor terminal	



blocks, see page 45

Lock-out; prevents reclosing of slide link; snap-on typ			nap-on type
	orange	2006-7300	100 (25)

100 (25)

# 36,7 mm/1.44 in -67,3 mm/2.65 in

2-conductor N-disconnect terminal block			
Color	Item No.	Pack. Unit	
blue	2002-7214	50	

2-conductor power distribution disconnect terminal

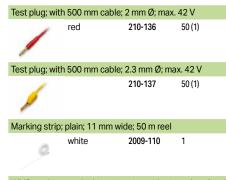
DIOOK						
gray	2002-	7211	50			
Accessories; it	Accessories; item-specific					
End and interm	ediate plate;	0.8 mm thick				
	orange	2002-7292	100 (25)			
Lock-out; prevents reclosing of slide link; snap-on type						

orange



210-281

100 (50)



WMB marking card; white; 10 strips with 10 markers/card 5 5.2 mm stretchable				
	plain	793-5501	5	



2005-7300

100 (25)

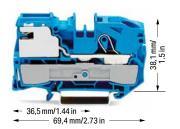
#### **Technical Data**

0.5 ... 16 (25 "f-st") mm<sup>2</sup> 20 ... 4 AWG 250 V/4 kV/3

I<sub>N</sub> 65 A

Terminal block width: 12 mm / 0.472 inch

E 18 ... 20 mm / 0.71 ... 0.79 inch



Color	Item No.	Pack. Unit
blue	2016-7114	25

1-conductor power distribution disconnect terminal

	0040 7444	0.5
gray	2016-7111	25

Appropriate through and ground conductor terminal blocks, see page 46

### Accessories; item-specific

End and intermediate plate; 1 mm thick



orange 2016-7192 100 (25)





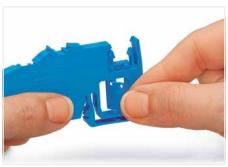
orange 2006-7300 100 (25)

- Conductor range: 0.25 ... 4 mm² "s+f-st"; Push-in termination: 1 ... 4 mm² "s" and 1 ... 2.5 mm² "insulated ferrules, 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- Conductor range: 0.5 ... 10 mm² "s+f-st"; Push-in termination: 2.5 ... 10 mm² "s" and 2.5 ... 6 mm² "insulated ferrules; 12 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 3 Conductor range: 0.5 ... 16 mm² "s+f-st"; Push-in termination: 4 ... 16 mm² "s" and 4 ... 10 mm² "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- Conductor range: 0.5 ... 16 mm² "s+f-st", 25 mm² "f-st"; Push-in termination: 6 ... 16 mm² "s" and 6 ... 16 mm² "insulated ferrules; 18 mm" Depending on the conductor characteristic, a conductor with a smaller cross section can also be inserted via push-in termination.
- 250 V = rated voltage4 kV = rated impulse voltage3 = pollution degree

Approvals and corresponding ratings, visit www.wago.com



Inserting the separator plate into the busbar carrier to protect the N-busbar against accidental contact.



Removing the separator plate from the busbar carrier or from the N-disconnect terminal block.



Inserting separator plate removed from N-disconnect terminal block



Touch-proof N-busbar via inserted separator plate

#### N-conductor disconnect terminal blocks:

For the construction and operation of power installations in fire-prone, hazardous locations or public buildings – such as conference centers, stores, hospitals, schools, theaters or hotels – the DIN VDE 0100-710 or DIN VDE 0100-718 standards shall be observed. DIN VDE 0100-482 shall also be observed for fire-prone, hazardous locations. These VDE regulations mandate that every neutral conductor must be provided with a disconnection device so, e.g., insulation testing is possible for every circuit without disconnecting the N-conductor. WAGO's N-disconnect terminal blocks meet this requirement.

# Power distribution disconnect terminal blocks:

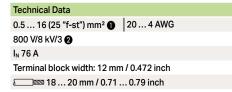
According to DIN VDE 0100-710, "Requirements for operating facilities, rooms and special installations – medical facilities," equipotential bonding conductors shall be run on a potential equalization busbar. The potential equalization busbar and the protective ground conductor busbar must be mounted in a common housing and be connected to each other using a disconnectable copper conductor of minimum 16 mm² (6 AWG). Furthermore, all equipotential bonding conductors must be connected to the potential equalization busbar and clearly arranged so they can be disconnected individually and accessed at any time. Depending on their function, they must be provided with captive marking.

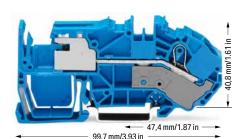
WAGO's power distribution disconnect terminal blocks meet these requirements.



# Supply Terminal Block for Distribution Boxes, Ground Conductor Terminal Block, N-Disconnect Terminal Block, Power Distribution Disconnect Terminal Block TOPJOB® S

16 (25 "f-st") mm<sup>2</sup>; 2016 Series





D	Conductor range: 0.5 16 mm² "s+t-st", 25 mm² "t-st";
	Push-in termination: 6 16 mm <sup>2</sup> "s" and 6 16 mm <sup>2</sup>
	"insulated ferrules; 18 mm"
	Depending on the conductor characteristic, a conduc-
	tor with a smaller cross section can also be inserted
	via push-in termination.

- 800 V = rated voltage8 kV = rated impulse voltage3 = pollution degree
- 250 V = rated voltage4 kV = rated impulse voltage3 = pollution degree

Approvals and corresponding ratings, visit www.wago.com

40.8 mm/1.61 in
← 47,4 mm/1.87 in ← 85,7 mm/3.37 in ←

2-conductor supply terminal block for distribution boxes				
Color	Item No.	Pack. Unit		
gray	2016-7601	20		
blue	2016-7604	20		

2-conductor ground to 15 mm high DIN-35 rai higher than 76 A!		current load
green-yellow	2016-7607	20

Accessories; item-specific				
End and intermediate plate; 1 mm thick				
	orange	2016-7692	100 (25)	
	gray	2016-7691	100 (25)	

1-conductor power distribution disconnect terminal block

2016-7714

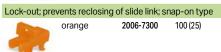
Pack. Unit

20

1-conductor N-disconnect terminal block

blue

Accessories; item-specific					
End and intermediate plate; 1 mm thick					
or	ange	2016-7792	100 (25)		



2009-174

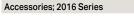
100 (25)

Test plug adapter; for 4 mm Ø test plug

arav

#### N-conductor disconnect terminal blocks:

For the construction and operation of power installations in fire-prone, hazardous locations or public buildings – such as conference centers, stores, hospitals, schools, theaters or hotels – the DIN VDE 0100-710 or DIN VDE 0100-718 standards shall be observed. DIN VDE 0100-482 shall also be observed for fire-prone, hazardous locations. These VDE regulations mandate that every neutral conductor must be provided with a disconnection device so, e.g., insulation testing is possible for every circuit without disconnecting the N-conductor. WAGO's N-disconnect terminal blocks meet this requirement.



Appropriate marking systems: WMB/Marking strips

gray					
gray					
Protective warning marker; with black high-voltage symbol; for 5 terminal blocks					
) (25)					
Finger guard; touch-proof cover protects unused conductor entries					
) (25)					

I<sub>N</sub> 140 A

Busbar cover: 1000 mm long

1				
Testing tap; f	or max. 2.5 m	m²		
	gray	2009-182	100 (25)	
Test plug; wit	th 500 mm ca	ble; 2 mm Ø; max	c. 42 V	
1	red	210-136	50 (1)	
Test plug; wit	th 500 mm ca	ble; 2.3 mm Ø; m	ax. 42 V	
1	yellow	210-137	50 (1)	
Marking strip	; plain; 11 mn	n wide; 50 m reel		
0	white	2009-110	1	
WMB markin 5 5.2 mm s		10 strips with 10	markers/car	C
	plain	793-5501	5	

#### Power distribution disconnect terminal blocks:

According to DIN VDE 0100-710, "Requirements for operating facilities, rooms and special installations – medical facilities," equipotential bonding conductors shall be run on a potential equalization busbar. The potential equalization busbar and the protective ground conductor busbar must be mounted in a common housing and be connected to each other using a disconnectable copper conductor of minimum 16 mm² (6 AWG). Furthermore, all equipotential bonding conductors must be connected to the potential equalization busbar and clearly arranged so they can be disconnected individually and accessed at any time.

Depending on their function, they must be provided with captive marking.

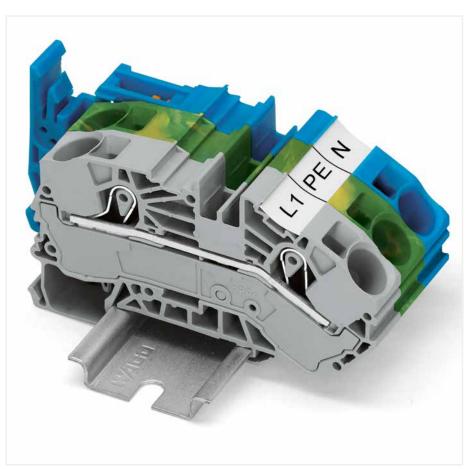
WAGO's power distribution disconnect terminal blocks meet these requirements.



210-133

777-303

# Supply Terminal Blocks Assembly TOPJOB® S



With an angled conductor entry, the 2016 Series Supply Terminal Blocks simplify the wiring of solid conductors in distribution boxes. Solid conductors of the largest cross-section can be connected easily, enabling the distribution box cover to fit without interfering with the conductors.

# **Electrical Interconnection Set and Rail-Mount Terminal Block Set** 821 Series



Electrical interconnection set; L-BOXX® 102; 221 Series
& TOPJOB® S with Lever

Item No.	Pack. Unit
821-153	1



Rail-mount terminal block set; L-BOXX® 102; 20xx, 21xx, 22xx Series

Item No.	Pack. Unit
821-154	1

#### Contents

Qty.	Item No.	Description
		Splicing Connectors
100	221-412	COMPACT splicing connector; 2 wires 0.14 4 mm <sup>2</sup> ; with levers; transparen
50	221-413	COMPACT splicing connector; 3 wires
50	221 710	0.14 4 mm²; with levers; transparen
25	221-415	COMPACT splicing connector; 5 wires
		0.14 4 mm²; with levers; transparent
50	221-612	COMPACT splicing connector; 2 wires
		0.5 6 mm <sup>2</sup> ; with levers; transparent
30	221-613	COMPACT splicing connector; 3 wires
		0.5 6 mm²; with levers; transparent
15	221-615	COMPACT splicing connector; 5 wires
		$0.5 \dots 6 \text{ mm}^2$ ; with levers; transparent
		Rail-Mount Terminal Blocks
60	2102-1201	2-conductor through terminal block;
		with lever and Push-in CAGE CLAMP®
		0.25 2.5 (4) mm²; gray
12	2106-1201	2-conductor through terminal block;
		with lever and Push-in CAGE CLAMP®
	Accessorie	0.5 6 (10) mm²; gray
1	210-110	s Felt-tip pen; smudge-proof
5	221-500	Mounting carrier; 221 Series – 4 mm <sup>2</sup> ;
5	221-300	for DIN-35 rail/screw mounting;
		orange
3	221-510	Mounting carrier; 221 Series – 6 mm <sup>2</sup> ;
		for DIN-35 rail/screw mounting;
		orange
10	249-116	Screwless end stop; for DIN-35 rail;
		6 mm wide; gray
2	793-5501	WMB marker card; plain
2	793-5566	WMB marker card; marking 1 50
25	2002-400	Adjacent jumper for continuous com-
		moning; insulated; 2-way; Nominal
		current: 25 A; light gray
25	2006-402	Push-in type jumper bar; insulated;
		2-way; Nominal current: 41 A; light
	2000 210	gray
1	2009-310	Operating tool; 3.5 x 0.5 mm and 5.5 x
15	2102-1202	0.8 mm blades End and intermediate plate; for 2-con-
10	2102-1292	ductor terminal blocks; orange
5	2106-1292	End and intermediate plate; for 2-con-
•	2.00 1232	ductor terminal blocks; orange

# Contents

Conte	1113	
Qty.	Item No.	Description
10		Rail-Mount Terminal Blocks 3-conductor through terminal block; with Push-in CAGE CLAMP®; 0.25
8	2004-1201	2.5 (4) mm <sup>2</sup> ; gray 2-conductor through terminal block; with Push-in CAGE CLAMP®; 0.5 4
20	2102-1201	(6) mm²; gray 2-conductor through terminal block; with lever and Push-in CAGE CLAMP®
6	2102-5301	0.25 2.5 (4) mm²; gray 3-conductor through terminal block; with lever and push-button; 0.25 2.5
2	2102-5304	(4) mm²; gray 3-conductor through terminal block; with lever and push-button; 0.25 2.5
2	2102-5307	(4) mm²; blue 3-conductor ground terminal block; with lever and push-button; 0.25 2.5
6	2106-5301	(4) mm²; green-yellow 3-conductor through terminal block; with lever and push-button; 0.5 6
2	2106-5304	(10) mm²; gray 3-conductor through terminal block; with lever and push-button; 0.5 6
2	2106-5307	(10) mm²; blue 3-conductor ground terminal block; with lever and push-button; 0.5 6
6	2116-5301	(10) mm²; green-yellow 3-conductor through terminal block; with lever and push-button; 0.5 16
2	2116-5304	(25) mm²; gray 3-conductor through terminal block; with lever and push-button; 0.5 16
2	2116-5307	(25) mm²; blue 3-conductor ground terminal block; with lever and push-button; 0.5 16
25	2200-1401	(25) mm²; green-yellow 4-conductor through terminal block; with push-button; 0.14 1 (1.5) mm²;
10	2202-1301	gray 3-conductor through terminal block; with push-button; 0.25 2.5 (4) mm²;
8	2204-1201	gray 2-conductor through terminal block; with push-button; 0.5 4 (6) mm²;
6	2210-1201	gray 2-conductor through terminal block; with push-button; 0.5 10 (16) mm²;
2	2210-1204	gray 2-conductor through terminal block; with push-button; 0.5 10 (16) mm²;
		hlue

blue

2210-1207 2-conductor ground terminal block; with push-button; 0.5 ... 10 (16) mm²; green-yellow

## Contents 821-154 (continued)

Qty.	Item No.	Description
10	Accessorie 249-116	s Screwless end stop; for DIN-35 rail;
		6 mm wide; gray
25	2000-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 14 A; light
10	2000 1401	gray
10	2000-1491	End and intermediate plate; for 4-conductor terminal blocks; gray
25	2002-400	Adjacent jumper for continuous com-
		moning; insulated; 2-way; Nominal
		current: 25 A; light gray
25	2002-402	Push-in type jumper bar; insulated;
		2-way; Nominal current: 25 A; light
10	2002 1201	gray End and intermediate plate; for 3-con-
10	2002-1391	ductor terminal blocks; gray
10	2004-402	Push-in type jumper bar; insulated;
		2-way; Nominal current: 32 A; light
		gray
10	2004-1291	End and intermediate plate; for 2-con-
		ductor terminal blocks; gray
10	2006-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 41 A; light
		gray
5	2010-402	Push-in type jumper bar; insulated;
		2-way; Nominal current: 57 A; light
		gray
5	2010-1291	End and intermediate plate; for 2-con-
40	0040 400	ductor terminal blocks; gray
10	2016-402	Push-in type jumper bar; insulated; 2-way; Nominal current: 76 A; light
		gray
10	2102-1291	End and intermediate plate; for 2-con-
		ductor terminal blocks; gray
5	2102-1391	End and intermediate plate; for 3-con-
_	0400 4004	ductor terminal blocks; gray
5	2106-1391	End and intermediate plate; for 3-conductor terminal blocks; gray
5	2116-1391	End and intermediate plate; for 3-con-
•	2110 1001	ductor terminal blocks; gray





Rail-mount terminal block set; L-BOXX® 102; 2002, 2006, 2016 Series

		Item N

Deal, Unit	
Item No. Pack. Unit	
821-155 1	

## Contents

Qty.	Item No.	Description
		Rail-Mount Terminal Blocks
75	2002-1201	2-conductor through terminal block;
		0.25 2.5 (4) mm²; gray
25	2002-1204	2-conductor through terminal block;
		0.25 2.5 (4) mm²; blue
25	2002-1207	2-conductor ground terminal block;
_		0.25 2.5 (4) mm²; green-yellow
9	2006-1201	2-conductor through terminal block;
•	0000 4004	0.5 6 (10) mm²; gray
3	2006-1204	2-conductor through terminal block;
_	0000 1007	0.5 6 (10) mm²; blue
3	2006-1207	2-conductor ground terminal block;
10	0010 1001	0.5 6 (10) mm²; green-yellow
12	2016-1201	2-conductor through terminal block;
•	0040 4004	0.5 16 (25) mm²; gray
6	2016-1204	2-conductor through terminal block;
_		0.5 16 (25) mm²; blue
6	2016-1207	2-conductor ground terminal block;
	<b>^</b>	0.5 16 (25) mm <sup>2</sup> ; green-yellow
	Accessorie	
1	210-110 210-722	Felt-tip pen; smudge-proof
1	210-722	Operating tool set; with a partially
_	040 440	insulated shaft
5	249-119	Height-adjustable group marker
10	040 447	carrier
10	249-117	Screwless end stop; for DIN-35 rail;
_	702 5501	10 mm wide; gray
2	793-5501 793-5566	WMB marker card; plain WMB marker card; marking 1 50
1	793-5566	
1		WMB marker card; Marking L1, L2, L3, N, PE
25	2002-400	Adjacent jumper for continuous com-
		moning; insulated; 2-way; Nominal
		current: 25 A; light gray
25	2002-1292	End and intermediate plate; for 2-con-
		ductor terminal blocks; orange
25	2006-402	Push-in type jumper bar; insulated;
		2-way; Nominal current: 41 A; light
		gray
10	2006-1292	End and intermediate plate; for 2-con-
		ductor terminal blocks; orange
1	2009-110	Marking strip; white; 1 m long
5	2009-182	Testing tap; for max. 2.5 mm <sup>2</sup>
1	2009-310	Operating tool; 3.5 x 0.5 mm and 5.5 x $$
		0.8 mm blades
25	2016-402	Push-in type jumper bar; insulated;
		2-way; Nominal current: 76 A; light
		gray
10	2016-1292	End and intermediate plate; for 2-con-
		ductor terminal blocks; orange



227

# HIGH-CURRENT RAIL-MOUNT TERMINAL BLOCKS

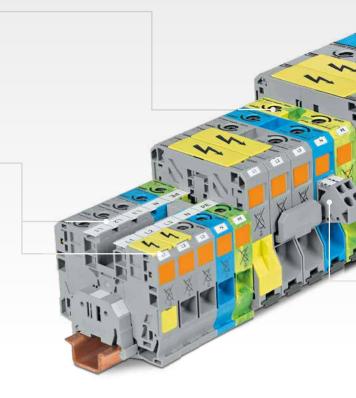
POWER CAGE CLAMP up to 185 mm<sup>2</sup> (350 kcmil)

# Installation

- Firmly snap a ground conductor terminal block onto DIN-rail.
- The contact foot is secured, providing the appropriate power grounding connection.
- Use a 2.3 mm copper carrier rail.

# Marking

- WMB markers are suitable for all high-current rail-mount terminal blocks.
- Apply marking strips directly to both 35 mm<sup>2</sup> (2 AWG) and 185 mm<sup>2</sup> (350 kcmil) terminal blocks.
- Use marking strip carriers for 35 to 95 mm<sup>2</sup> (2–4/0 AWG) terminal blocks.



# Conductor Termination



Rotate the T-wrench or screwdriver counter-clockwise to the stop ①. Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.



Insert a stripped conductor into the clamping unit until it hits backstop. Hold in this position.



A short counter-clockwise rotation ② releases the tab. When unlocked, the T-wrench rotates clockwise, securely clamping the conductor.



2. Cut conductor to length (Conductor end must be straight!)3. Strip conductor (Observe strip length printed on terminal block!)



# Safety

- Warning covers visually indicate high-voltage applications, e.g., "CAUTION: Power is still on even after switching off the main switch!"
- Yellow finger guards (detachable) provide touch-proof safety by shielding jumper contact slots and/or unused conductor entries.
- Risk of injury!
   Keep fingers out of the conductor entry hole!

# Voltage Tap

- Provides safe and easy power distribution to additional loads.
- Insert the unwired tap before actuating the spring for termination.
- For 35 mm² (2 AWG) blocks, insert the power tap into the jumper slot in the middle of the terminal block.

# Commoning

for 35 mm<sup>2</sup> (2 AWG)



Commoning adjacent terminal blocks using a centrally positioned push-in jumper. Use an operating tool to remove the conductor.

for 50, 95 and 185 mm² (2/0, 4/0 AWG and 350 kcmil)



Commoning with an adjacent jumper: insert the jumper above the conductor entry hole prior to conductor termination.

The nominal cross-section remains unchanged.

# Commoning

via Step-Down Jumpers with TOPJOB® S



Commoning 35 mm² (2 AWG) high-current terminal blocks with 10/16 mm² (8/6 AWG) Terminal Blocks TOPJOB® S using step-down jumpers.

# Testing



Easy troubleshooting via 4 mm Ø touch-proof test plug. A test plug adapter (283-404)

A test plug adapter (283-404) is used for the 35 mm<sup>2</sup> (2 AWG) terminal block (Test plugs are not available from WAGO, but are offered by industry suppliers such as Multi-Contact Deutschland GmbH).

# High-Current Rail-Mount Terminal Blocks; 35 mm<sup>2</sup> 285 Series

# **Description and Installation**



Conductor termination – step 1: Rotate the operating tool (5.5 mm blade width) counter-clockwise. Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.



Conductor termination – step 2: Insert a stripped conductor into the clamping unit until it hits backstop. Hold in this position.



Conductor termination – step 3:
A short counter-clockwise rotation closes the clamp, securing the conductor ①.
When unlocked, allow operating tool to rotate clockwise ② to securely terminate the conductor.



The power tap is inserted into the jumper contact slot. It can be fitted with a strain relief plate.





Testing



Testing with test plug adapter (283-404).



High-current rail-mount terminal blocks, 35 mm² (2 AWG) and 50 mm² (2/0 AWG)



POWER CAGE CLAMP terminates the following copper conductors: solid "s"



stranded "st"



fine-stranded, also with tinned single strands





Commoning adjacent terminal blocks using a centrally positioned push-in jumper.



Slide the marking strip laterally to remove the jumper.



Commoning 35 mm² (2 AWG) POWER CAGE CLAMP Terminal Blocks with 10/16 mm² (8/6 AWG) 2010 and 2016 Series Terminal Blocks TOPJOP® S using step-down jumpers (not valid for 2016-76xx and 2016-77xx).



Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point.

Step-down jumpers are simply pushed down for full insertion, similar to adjacent jumpers. Commoning may be made in either direction using the special thin end plate to cover the open side. Additional through terminal blocks having a smaller cross-section may be commoned using adjacent jumpers.

In this case, pay attention that:

The total current of the outgoing circuits does not exceed the nominal current of the step-down jumper.



Side-entry wiring means that even larger conductors, which have limited flexibility, can be easily connected.



WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm<sup>2</sup> high-current terminal blocks.



Marker carrier for marking strip or 2 x WMB markers for 285-13x, 285-15x and 285-19x terminal blocks



fine-stranded, with ferrule (gastight crimped)





# High-Current Through Terminal Block, High-Current Ground Conductor Terminal Block 35 mm<sup>2</sup>; 285 Series

□ 12 ... 13 mm / 0.47 ... 0.51 inch

**Technical Data** 6 ... 35 mm<sup>2</sup> 10 ... 2 AWG 1000 V/8 kV/3 1 880 V, 115 A 93 I<sub>N</sub> 125 A 600 V, 115 A@ Terminal block width: 16 mm / 0.63 inch

□ 25 mm / 0.98 inch



86 mm/3.99 in

**Technical Data** 24 ... 10 AWG 0.2 ... 6 mm<sup>2</sup> 800 V/8 kV/3 2 600 V, 30 A 3  $I_N 32 A$ 600 V, 32 A@ Module width: 8 mm / 0.315 inch



v	1000 v - rated voltage
	8 kV = rated impulse voltage
	3 = pollution degree

1000 V = rated voltage

- 2 800 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- 3 Terminal blocks with an Ex mark are suitable for Ex e II 880 V, 101 A 1 jumper, 75 A

Please observe the application notes: Step-down jumpers, see page 229 Marking, from page 246

Approvals and corresponding ratings, visit www.wago.com

2-conductor through terminal block; only for DIN 35 x 15 ra			
Color	Item No.	Pack. Unit	
gray	285-135	15	
blue	285-134	15	
○ light gray ⑤	285-935 3	15	
<ul><li>dark gray/yellow</li></ul>	285-131	15	
2-conductor ground terminal block; only suitable for DIN 35 x 15 rail; 1.5 mm and 2.3 mm thick			
green-yellow	285-137	15	
green-yellow 🗟	285-137/999-950 3	15	

Power tap; for 35 mm² high-current terminal blocks			
Color	Item No.	Pack. Unit	
gray	285-427	5	

Accessories; for high-current terminal blocks	
Appropriate marking systems:	
WMR/WMR Inline/Marking strips	

Copper DIN-rail; per EN 60715; 35 x 15 mm; 2.3 mm

unslotted



210-198

10

ing strip; plain; 11 mm wide; 50 m reel white 2009-110

Accessories; item-specific				
Adjacent jumper; insulated; I <sub>N</sub> 85 A				
	gray	285-435	50 (25)	
Step-down	jumper; insula	ated; I <sub>N</sub> 90 A		
N.	gray	285-430	50 (25)	

Protective warning marker; with a black high-voltage

285-420

285-421

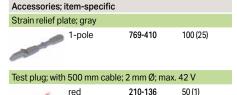
100 (25)

100 (25)

vellow

yellow

ductor entries





for 5 ... 17.5 mm terminal block width

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width plain 793-501

5 ... 5.2 mm stretchable plain 793-5501

WMB marking card; white; 10 strips with 10 markers/card;

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501 5 Marker carrier; for POWER CAGE CLAMP 35/50/95 mm<sup>2</sup>; 10.4 mm wide



285-442 25 gray



Screwless end stop; for DIN-35 rail; 14 mm



249-197

Test plug adapter; 11.6 mm wide; for 4 mm Ø test plug; for 1.5 ... 16 mm2 terminal blocks

Finger guard; touch-proof cover protects unused con-

283-404

Three-phase set; with 35 mm<sup>2</sup> high-current terminal

285-139

Power tap; I<sub>N</sub> 24 A; with 500 mm cable; for 16 mm<sup>2</sup> (283/783 Series) and 35 mm<sup>2</sup> (285/785 Series) rail-mount terminal blocks

> 283-407 25

Operating tool with a partially insulated shaft; type 3; (5.5



210-721 25 (1)



2-conductor through terminal block, dark gray/yellow (285-131), for ground connection without contact to the DIN-rail



Always push voltage tap (283-407) down into the terminal block until fully inserted!





# High-Current Rail-Mount Terminal Blocks; 50 ... 185 mm<sup>2</sup> 285 Series

# **Description and Installation**



Conductor termination – step 1: Rotate the T-wrench counter-clockwise to the stop ①. Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.



Conductor termination – step 2: Insert a stripped conductor into the clamping unit until it hits backstop. Hold in this position.



Conductor termination – step 3: A short counter-clockwise rotation ② releases the tab. When unlocked, the T-wrench rotates clockwise, securely clamping the conductor.

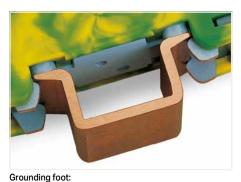


For the optimal clamping force:

- Bend conductor.
- Cut conductor to length (conductor end must be straight).
- Stripping a conductor.



Always observe the printed strip length!



Grounding root:

Ground conductor terminal blocks (limited to max.

120 mm²/250 kcmil per EN 60947-7-2) must be snapped onto a 2.3 mm thick copper DIN-rail.



Protective warning marker may indicate:: Notice: Power is still on even after switching off the main switch!



Risk of injury! Do not insert fingers in the conductor entry!



Yellow, detachable finger guards provide touch-proof safety by shielding jumper contact slots and/or unused conductor entries.



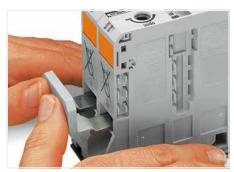
POWER CAGE CLAMP terminates the following copper conductors: solid "s"



stranded "st"



fine-stranded "f-st", also with tinned single strands



Commoning with an adjacent jumper: insert the jumper above the conductor entry hole – prior to conductor termination. The nominal cross-section remains unchanged.



Removing jumper via operating tool.



Reliably and easily tap directly into the power supply.
Insert the unwired tap before opening the clamping unit.





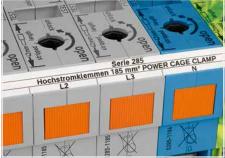
Testing via touch-proof 4 mm Ø test plugs (not available from WAGO, but offered by industry suppliers such as, Multi-Contact Deutschland GmbH).



Testing



WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm² high-current terminal blocks.



In addition to WMB markers, marking strips can be directly applied to 185 mm² (350 kcmil) high-current terminal blocks.



fine-stranded, with ferrule (gastight crimped)





# High-Current Through Terminal Block, High-Current Ground Conductor Terminal Block 50 (70 "f-st") mm2; 285 Series

Technical Data		
10 50 (70 "f-st") mm <sup>2</sup>	8 1/0 AWG	
	880 V, 150 A 🕦	
I <sub>N</sub> 150 A	600 V, 150 A®	
Terminal block width: 20 mm / 0 787 inch		

30 mm / 1.18 inch



2-conductor through terminal block; only for DIN 35 x 15 rail			
Color	Item No.	Pack. Unit	
gray	285-150	5	
blue	285-154	5	
○ light gray ⓑ	285-950 2	5	
<ul><li>dark gray/yellow</li></ul>	285-151	5	
2-conductor ground terminal block; only suitable for DIN 35 x 15 rail; 2.3 mm thick; copper			
green-yellow	285-157	5	
green-yellow 🗟	285-157/999-950 2	5	

**Technical Data** 24 ... 10 AWG 0.2 ... 6 mm<sup>2</sup> 1000 V/8 kV/3 1 600 V, 30 A 3  $I_N 41 A$ 600 V, 41 A@

Module width: 16 mm / 0.63 inch □ 12 ... 13 mm / 0.47 ... 0.51 inch



Power tap; for 50 mm² nign-current terminar blocks		
Color	Item No.	Pack. Unit
gray	285-447	5

■ 1000 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

2 Terminal blocks with an Ex mark are suitable for Ex e II applications. 880 V, 134 A

Adjacent jumpers (285-450) can only be removed or inserted when the clamp is closed.

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width

plain

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

plain 793-5501

Marker carrier: for POWER CAGE CLAMP 35/50/95 mm<sup>2</sup>:



gray

10.4 mm wide

285-442

25

Accessories; item-specific

Adjacent jumper; insulated; I<sub>N</sub> 150 A, for 1 jumper;  $I_N$  130 A, for 2 ... 4 jumpers



gray 285-450 100 (25)

Protective warning marker; with a black high-voltage

vellow

285-440

285-449

50 (25)

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width

Accessories; item-specific

symbol; for 5 terminal blocks

yellow

plain

Protective warning marker; with black high-voltage

793-501

282-415

50 (25)

WMB marking card; white; 10 strips with 10 markers/card; 5...5.2 mm stretchable

> plain 793-5501

Protective warning marker; with a black high-voltage symbol



Finger guard; touch-proof cover protects unused conductor entries and jumper slots



yellow

yellow

285-441

100 (25)

25

Three-phase set; with 50 mm<sup>2</sup> high-current terminal blocks



285-159

Copper DIN-rail; per EN 60715; 35 x 15 mm; 2.3 mm



unslotted

210-198

10

vless end stop; for DIN-35 rail; 14 mm wide

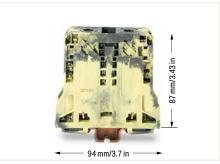


249-197 10

T-wrench with a partially insulated shaft



285-172 1



2-conductor through terminal block, dark gray/yellow (285-151), for ground connection without contact to the DIN-rail



Marker carrier for marking strip or 2 x WMB markers for 285-13x, 285-15x and 285-19x terminal blocks



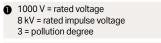


# High-Current Through Terminal Block; with Mounting Flanges 50 (70 "f-st") mm2; 285 Series

Technical Data		
10 50 (70 "f-st") mm <sup>2</sup>	8 1/0 AWG	
1000 V/8 kV/3 1	880 V, 150 A <b>9N</b>	
I <sub>N</sub> 150 A	600 V, 150 A@	
Terminal block width: 20 mm / 0.787 inch		
30 mm / 1 18 inch		

Technical Data		
10 50 (70 "f-st") mm <sup>2</sup>	8 1/0 AWG	
	880 V, 150 A <b>RL</b>	
I <sub>N</sub> 150 A	600 V, 150 A@	
Terminal block width: 20 mm / 0.787 inch		

□2 30 mm / 1.18 inch



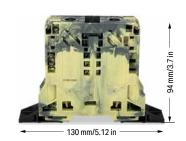
2 Terminal blocks with an Ex mark are suitable for Ex e II applications. 880 V, 134 A

Adjacent jumpers (285-450) can only be removed or inserted when the clamp is closed.

Approvals and corresponding ratings, visit www.wago.com



2-conductor through terminal block; with mounting flanges			
Color Item No. Pack. Unit			
gray	285-141	5	
blue	285-144	5	
○ light gray ©	285-143 2	5	



2-conductor through terminal block; with mounting flanges		
Color	Item No.	Pack. Unit
dark gray/yellow	285-147	5
odark gray/yellow 🛭	285-147/999-950 2	5



Optionally, insert block-to-block connector (285-448) into housing slot.

#### Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Adjacent jumper; insulated; $I_N$ 150 A, for 1 jumper; $I_N$ 130 A, for 2 4 jumpers			
	ıray	285-450	100 (25)

Block-to-block connector; for 50 mm² high-current terminal blocks

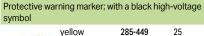


orange 285-448 50 (25)

Protective warning marker; with a black high-voltage symbol



yellow 285-440 50 (25)





Finger guard; touch-proof cover protects unused conductor entries and jumper slots



285-441 100 (25) yellow

Three-phase set; with 50 mm² high-current terminal blocks



285-148

Power tap; for 50 mm² high-current terminal blocks



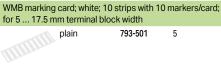
285-447

T-wrench with a partially insulated shaft



285-172

Marking strip; plain; 11 mm wide; 50 m reel 2009-110 white



793-501

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable plain

793-5501 5

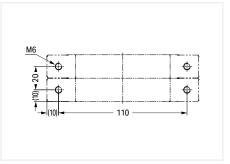
Marker carrier; for POWER CAGE CLAMP 35/50/95 mm²;



gray 285-442 25



Align and snap high-current, through terminal blocks together.



Dimensions (in mm): Drill hole separation distance



237

1000 V, 210 A@



# High-Current Through Terminal Block, High-Current Ground Conductor Terminal Block 95 mm<sup>2</sup>; 285 Series

**Technical Data** 25 ... 95 mm<sup>2</sup> 4 ... 4/0 AWG 1000 VAC/DC/1500 VDC/12 kV/3 2 1000 V, 200 A SU

Terminal block width: 25 mm / 0.984 inch

□ 35 mm / 1.38 inch



2-conductor through terminal block; only for DIN 35 x 15 rail		
Color	Item No.	Pack. Unit
gray	285-195	5
blue	285-194	5
○ light gray ⓑ	285-995 4	5
dark gray/yellow	285-191	5
2-conductor ground terminal block; only suitable for DIN 35 x 15 rail; 2.3 mm thick; copper		
green-yellow	285-197	5
green-yellow 🛭	285-197/999-950 4	5

**Technical Data** 0.2 ... 10 (16) mm<sup>2</sup> 24 ... 8 AWG 1000 V/8 kV/3 3 600 V, 50 A 👊 600 V, 57 A@ Module width: 20 mm / 0.787 inch

□ 12 ... 13 mm / 0.47 ... 0.51 inch



rower tap, for 95 mm might-current terminal blocks		
Color	Item No.	Pack. Unit
gray	285-407	5

Power tap; for 95 mm<sup>2</sup> high-current terminal blocks Max. conductor size: 16 mm<sup>2</sup>

2 1000 VAC/DC 1500 VDC = rated voltage 12 kV = rated impulse voltage 3 = pollution degree

1000 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree

Terminal blocks with an Ex mark are suitable for Ex e II applications. 25 ... 95 mm² / 4 ... 4/0 AWG 880 V, 211 A 1 jumper, 211 A 2 ... 4 jumpers, 175 A 35 ... 70 mm² / 2 ... 2/0 AWG for ground conductor terminal blocks

Approvals and corresponding ratings, visit www.wago.com

#### Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Marking strip; plain; 11 mm wide; 50 m reel 2009-110 white

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width plain 793-501

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable 793-5501 5

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm²; 10.4 mm wide



gray

285-442 25

# Accessories; item-specific

gray

yellow

Adjacent jumper; insulated; I<sub>N</sub> 232 A, for 1 jumper;  $I_N$  192 A, for 2 ... 4 jumpers

Protective warning marker; with a black high-voltage

vellow

285-170

285-175

285-495

50 (25)

25

10

WMB marking card; white; 10 strips with 10 markers/card; 5...5.2 mm stretchable

Protective warning marker; with black high-voltage

284-415

793-501

50 (25)

Accessories; item-specific

symbol; for 5 terminal blocks

yellow

for 5 ... 17.5 mm terminal block width

plain

plain 793-5501

WMB marking card; white; 10 strips with 10 markers/card;

symbol

Finger guard; touch-proof cover protects unused conductor entries and jumper slots

Protective warning marker; with a black high-voltage



yellow 285-169





285-199

Copper DIN-rail; per EN 60715; 35 x 15 mm; 2.3 mm



unslotted

210-198

Screwless end stop; for DIN-35 rail; 14 mm wide 249-197 10



T-wrench with a partially insulated shaft



285-172 1



2-conductor through terminal block, dark gray/yellow (285-191), for ground connection without contact to the DIN-rail



Marker carrier for marking strip or 2 x WMB markers for 285-13x, 285-15x and 285-19x terminal blocks





# High-Current Through Terminal Block; with Mounting Flanges 95 mm<sup>2</sup>; 285 Series

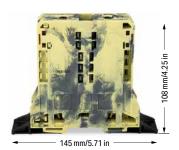
35 mm / 1.38 inch

1000 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree Approvals and corresponding ratings,

visit www.wago.com



2-conductor through terminal block; with mounting flanges			
Color	Item No.	Pack. Unit	
gray	285-181	5	
blue	285-184	5	



2-conductor through terminal block; with mounting flanges			
Color	Item No.	Pack. Unit	
dark gray/yellow	285-187	5	



Optionally, insert block-to-block connector (285-168) into housing slot.

## Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips



terminal blocks

orange 285-168 50 (25)

Protective warning marker; with a black high-voltage symbol

yellow 285-170 25

Protective warning marker; with a black high-voltage symbol

yellow 285-175 25

Finger guard; touch-proof cover protects unused con-

ductor entries and jumper slots
yellow 285-169 25

Three-phase set; with 95  $\mbox{mm}^2$  high-current terminal blocks

285-188 1

Power tap; for 95  $\,\text{mm}^2$  high-current terminal blocks

285-407 5

T-wrench with a partially insulated shaft 285-172

Marking strip; plain; 11 mm wide; 50 m reel
white 2009-110 1

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width

plain **793-501** 5

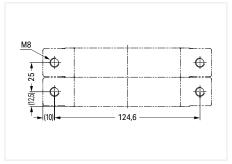
WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable plain 793-5501 5

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm²;

gray **285-442** 25



Align and snap high-current, through terminal blocks together.



Dimensions (in mm): Drill hole separation distance





# High-Current Through Terminal Block, High-Current Ground Conductor Terminal Block 185 mm<sup>2</sup>; 285 Series

**Technical Data** 50 ... 185 mm<sup>2</sup> 1/0 AWG ... 350 kcmil 1000 VAC/DC/1500 VDC/12 kV/3 3 1000 V, 310 A 54 1000 V, 310 A@ Terminal block width: 32 mm / 1.26 inch



2-conductor through terminal block; only for DIN 35 x 15 rail		
Color	Item No.	Pack. Unit
gray	285-1185	5
blue	285-1184	5
○ light gray ⓑ	285-1189 6	5
<ul><li>dark gray/yellow</li></ul>	285-1181	5
2-conductor ground terminal block; only suitable for DIN 35 x 15 rail; 2.3 mm thick; copper		
green-yellow	285-1187	5
green-yellow ©	285-1187/999-950 6	5

**Technical Data** 0.2 ... 10 (16) mm<sup>2</sup> 2 24 ... 8 AWG 1000 V/8 kV/3 4 600 V, 50 A 👊 600 V, 50 A@ Module width: 20 mm / 0.787 inch

□ 12 ... 13 mm / 0.47 ... 0.51 inch



Power tap; for 185 mm² high-current terminal blocks Item No. Pack. Unit 285-1175

Protective warning marker; with black high-voltage

WMB marking card; white; 10 strips with 10 markers/card;

WMB marking card; white; 10 strips with 10 markers/card;

284-415

793-501

793-5501

50 (25)

Accessories; item-specific

symbol; for 5 terminal blocks

yellow

for 5 ... 17.5 mm terminal block width

plain

plain

5...5.2 mm stretchable

- 1 50 ... 120 mm<sup>2</sup> / 1/0 AWG ... 250 kcmil for ground conductor terminal blocks (285-1187)
- Power tap; for 185 mm<sup>2</sup> high-current terminal blocks Max. conductor size: 16 mm<sup>2</sup>
- 1000 VAC/DC 1500 VDC = rated voltage 12 kV = rated impulse voltage 3 = pollution degree
- 1000 V = rated voltage 8 kV = rated impulse voltage 3 = pollution degree
- Terminal blocks with an Ex mark are suitable for Ex e II applications. ... 185 mm² / 1/0 AWG ... 350 kcmil 1000 V. 250 A 1 jumper, 236 A 50 ... 120 mm2 / 1/0 AWG ... 250 kcmil for ground conductor terminal blocks

Approvals and corresponding ratings, visit www.wago.com

## Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

#### Marking strip; plain; 11 mm wide; 50 m reel white 2009-110

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width

> 793-501 plain

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

793-5501 plain 5

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm²; 10.4 mm wide



285-442 25

# Accessories; item-specific

gray

Adjacent jumper; insulated; I<sub>N</sub> 309 A for 1 jumper



285-1171

50 (25)

Protective warning marker; with a black high-voltage



285-1177 vellow



Protective warning marker; with a black high-voltage symbol yellow 285-1176 25



Finger guard; touch-proof cover protects unused conductor entries and jumper slots



yellow 285-1178





Copper DIN-rail; per EN 60715; 35 x 15 mm; 2.3 mm



unslotted 210-198

10

Screwless end stop; for DIN-35 rail; 14 mm wide 249-197 10





285-172 1



Tapping directly into the power supply.



In addition to WMB markers, marking strips can be directly applied to 185 mm<sup>2</sup> (350 kcmil) high-current terminal blocks.

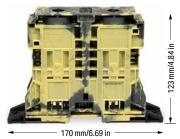




# High-Current Through Terminal Block; with Mounting Flanges 185 mm<sup>2</sup>; 285 Series

**Technical Data** 50 ... 185 mm<sup>2</sup> 1/0 AWG ... 350 kcmil 1000 VAC/DC/1500 VDC/12 kV/3 1000 V, 310 ARL I<sub>N</sub> 353 A 1000 V, 310 A@ Terminal block width: 32 mm / 1.26 inch € 45 ... 47 mm / 1.77 ... 1.85 inch





1000 VAC/DC 1500 VDC = rated voltage 12 kV = rated impulse voltage 3 = pollution degree

Terminal blocks with an Ex mark are suitable for Ex e II applications. 50 ... 185 mm<sup>2</sup> / 1/0 AWG ... 350 kcmil 1000 V, 250 A 1 jumper, 236 A

Approvals and corresponding ratings, visit www.wago.com



2-conductor through terminal block; with mounting flanges				
Color Item No. Pack. Unit				
gray	285-1161	4		
blue	285-1164	4		
○ light gray ⓑ 285-1163 <b>②</b> 4				

# 2-conductor through terminal block; with mounting flanges Item No. dark gray/yellow 285-1167 O dark gray/yellow 285-1167/999-950 2



Optionally, insert block-to-block connector (285-1179) into housing slot.

#### Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Adjacent jur	mper; insulate	ed; I <sub>N</sub> 309 A for 1 j	umper	Marking strip;
	gray	285-1171	25	0.

Block-to-block connector; for 185 mm² high-current terminal blocks



285-1179 50 (25) orange

Protective warning marker; with a black high-voltage

symbol 285-1177 50 (25) vellow



Protective warning marker; with a black high-voltage

285-1176 25

Finger guard; touch-proof cover protects unused conductor entries and jumper slots



yellow 285-1178 25

Three-phase set; with 185 mm² high-current terminal



285-1165

Power tap; for 185 mm² high-current terminal blocks



285-1175

T-wrench with a partially insulated shaft



285-172

WMB marking card; white; 10 strips with 10 markers/card; for 5 ... 17.5 mm terminal block width

plain; 11 mm wide; 50 m reel

2009-110

1

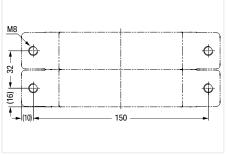
5

white

793-501 plain

WMB marking card; white; 10 strips with 10 markers/card; 5 ... 5.2 mm stretchable

> 793-5501 plain 5



Dimensions (in mm): Drill hole separation distance



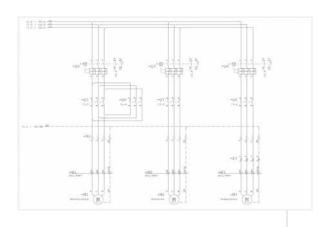
Secure the terminal block to a mounting plate using two M8 cylinder-head screws and appropriate washers.

WAGO Marking Systems www.wago.com

# **Smart Data**

# Supports Workflow from Control Cabinet Planning to Installation

# Electrical Planning Directly import data from a CAE circuit diagram into the Smart Designer engineering software or output marking data on Smart Printer

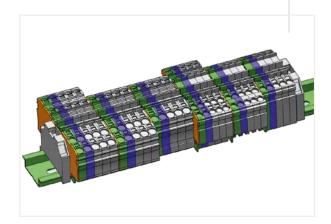


# Technical and Commercial Item Data

Classified by ETIM and eCl@ss – also in Advanced Format



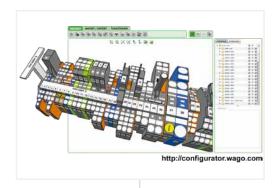
# Mechanical Planning CAD export into all standard CAD formats and in different granularities



www.wago.com WAGO Marking Systems

## **Smart Designer**

- Free online configuration and ordering software for all electrical interconnect and automation components
- No installation required
- Available worldwide 24 hours a day
- Item data is always updated
- Auto-audit feature checks product compatibility via programed database
- Design in full 3-D





# Smart Script

- XML-based software for all WAGO labeling materials
- Data import from CAE systems
- Font size check
- Material selection wizard



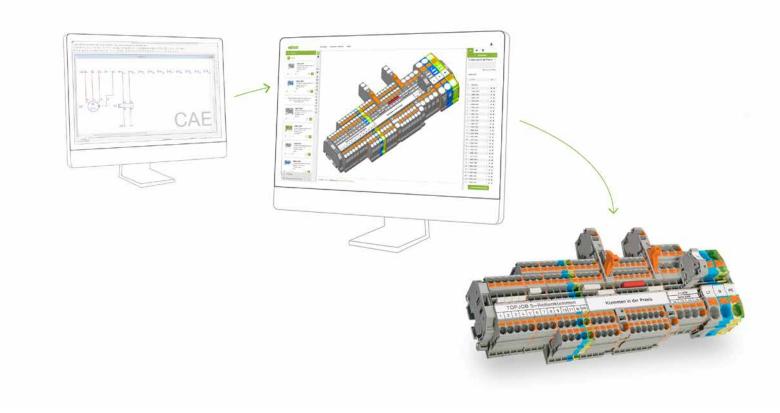
Configuration made easy - http://configurator.wago.com



WAGO Marking Systems www.wago.com

# **Smart Printer**

# The Fastest Marking System

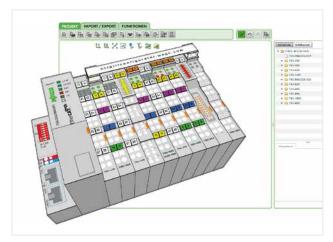


# **Smart Script**



Smart Script Import from CAE systems or create customized marking.

# **Smart Designer**

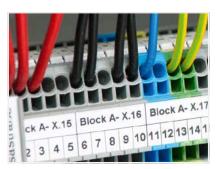


Smart Designer After designing, print labeling materials directly from the project via Smart Printer

www.wago.com WAGO Marking Systems



# **Terminal Block Marking**



# Multi-line marking strips for clear, detailed control cabinet labels

- WMB Inline markers on a reel are suitable for various terminal block sizes –
  just one marker size for all standard
  applications
- Same profile across all WAGO Rail-Mount Terminal Blocks TOPJOB® S ensures quick labeling

# Cable and Conductor Marking



Different versions available:

- Marking sleeves, self-laminating labels, conductor markers for thread-on mounting or shrink tubes
- Large variety of marking surface sizes

# **Device Marking**



Broad selection of label types (e.g., printable fabric), push-button markers and type plates optimizes marking for devices and control cabinets

 Labels and markers are available in a variety of colors and sizes



WAGO Marking Systems www.wago.com

# Marking Systems Description and Installation



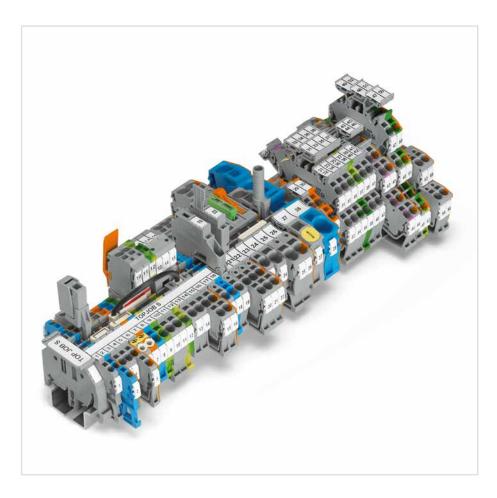
Separating a strip from the WMB or WMB marker card.



Stretching a WMB marker strip.

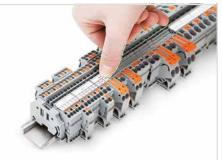


Separating an individual marker from the strip – for larger terminal blocks.





Printing a marking strip (2009-110) via Smart Printer.



Snapping a marking strip into the marker slot.



Marking strip – multi-line printing

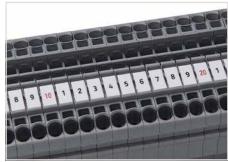
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Snapping a marking strip into the marker slot.



Snapping a WMB marker strip into the marker slot of the double marker carrier.  $\,$ 

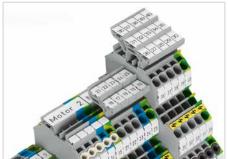


WMB "decade" marking





Group marker carriers for WAGO Rail-Mount Terminal Blocks
TOPJOB® S –
can be snapped into jumper slots.



Double- and triple-deck marker carriers can be retrofitted into the jumper contact slot of double- and triple-deck terminal blocks.



Height adjustable group marker carrier (2009-163) for marking strips (2009-110)



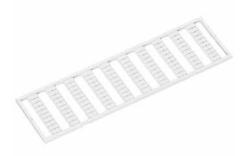
Height-adjustable group marker carrier



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# Marking System

# Terminal Block Width: 3.5 mm, 4 ... 4.2 mm and from 5 mm



Use		
Marker width	Can be snapped onto the following terminal block series	
	for continuous marking	that will be separated
3.5 mm	2000, 2020	-
4 4.2 mm	279, 2001	-
5 5.2 mm	270, 280, 780, 869, 870, 880, 2002, 2003, 2022	Terminal blocks with spacing > 5 5.2 mm
5 17.5 mm	270, 280, 780, 869, 870, 880	281 285, 781 785, 2002, 2004, 2005, 2006, 2007, 2010, 2016, 2022

WMB marker card; plain; 10 strips with 10 markers/card					
Color	5 mm Item No.	5 5.2 mm Item No.	4 4.2 mm Item No.	3.5 mm Item No.	Pack. Unit
white	793-501	793-5501	793-4501	793-3501	5
yellow	793-501/000-002	793-5501/000-002	793-4501/000-002		5
red	793-501/000-005	793-5501/000-005	793-4501/000-005		5
blue	793-501/000-006	793-5501/000-006	793-4501/000-006		5
○ gray	793-501/000-007	793-5501/000-007	793-4501/000-007		5
orange	793-501/000-012	793-5501/000-012	793-4501/000-012		5
light green	793-501/000-017	793-5501/000-017	793-4501/000-017		5
green	793-501/000-023	793-5501/000-023	793-4501/000-023		5
violet	793-501/000-024	793-5501/000-024	793-4501/000-024		5



Use		
Marker width	Can be snapped onto the following terminal block series	
	for continuous marking	that will be separated
3.5 mm	2000, 2020	-
4 4.2 mm	279, 2001	-
5 5.2 mm	270, 280, 780, 869, 870, 880, 2002, 2003, 2022	Terminal blocks with spacing > 5 5.2 mm

WMB Inline; plain; 2,300 WMB markers (3.5 mm)/	/reel	
Color	3.5 mm Item No.	Pack. Unit
O white	2009-113	1

WMB Inline; plain; 2,000 WMB markers (4 mm)/reel; stretchable 4 4.2 mm			
Color 4 4.2 mm Item No.			
O white	2009-114	1	

WMB Inline; plain; 1,500 WMB markers (5 mm)/reel; stretchable 5 5.2 mm		
Color	5 5.2 mm Item No.	Pack. Unit
O white	2009-115	1

Use		
	Can be snapped onto the following terminal block series	
	2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2010, 2016, 2020, 2022	

Marking strip; plain; 11 mm wide; 50 m reel		
Color	3.5 mm Item No.	Pack. Unit
O white	2009-110	1

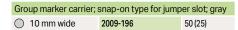


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# **Group Marker Carrier, Marker Carrier** TOPJOB® S



Group marker carrier; snap-on type for jumper slot; gray		
Item No. Pack. Unit		
○ 5 mm wide	2009-191	50 (25)
10 mm wide	2009-192	50 (25)
15 mm wide	2009-193	50 (25)





Marker carrier; for lateral marker slots; 5 mm wide		
Color	Item No.	Pack. Unit
gray	2009-198	200 (25)



2009-193 Group Marker Carrier (equipped with marking strips) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks.

Do not use on an end plate!



Marker carrier; for jumper slots of double-deck, double-disconnect terminal blocks (2002 Series); 5 mm wide

Color | Item No. | Pack. Unit |

gray | 2002-160 | 50 (25)

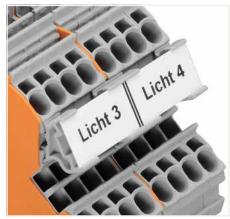


Marker carrier; for jumper slots (2002 Series); 5 mm wide

Color	Item No.	Pack. Unit
gray	2002-161	100 (25)



Using marker carriers for marking strips (2002-161) in jumper slots.



Using marker carriers for marking strips (2009-198) in lateral marker slots.



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# Pivoting Group Marker Carrier, Multilevel Marker Carrier TOPJOB® S



Pivoting group marker carrier			
Color	Item No.	Pack. Unit	
gray	249-105	50 (25)	

209-183  $\bigcirc \ \ \text{white}$ 

Protective marker cover			
transparent	209-184	50	



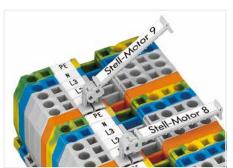
Double-deck marker carrier; pivoting			
Color Item No. Pack. Unit			
○ gray	2000-121	50 (25)	



Double-deck marker carrier; pivoting			
Color	Item No.	Pack. Unit	
gray	2002-121	50 (25)	



Triple-deck marker carrier; pivoting		
Color	Item No.	Pack. Unit
gray	2002-131	50 (25)



This pivoting group marker carrier has been developed for group marking of rail-mount terminal blocks and incorpo-

- rates many customer requirements.

  Can be used in all multiprofile marker slots for rail-mount terminal bocks from 5 mm (0.197 inch) on or in spacer
- terminal bocks from 5 mm (0.197 inch) on or in spacer housings as shown above.

  Pivotable in seven different stable positions, providing the best visual angle in case of difficult mounting conditions



Double-deck terminal blocks: A double-deck marker carrier (2000-121) can be retrofitted to double-deck terminal blocks without a marker car-

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### Height-Adjustable Group Marker Carrier, Laterally Movable Marking System



Height-adjustable group marker carrier; snaps onto end stops (249-116 and 249-117), adjustable in height from 43.5 to 59.5 mm; for 1 marker or self-adhesive marker and transparent protection cover; 10 mm wide

Color	Item No.	Pack. Unit
gray	249-119	50 (25)

Height-adjustable group marker carrier; snaps onto end stops (249-116 and 249-117), adjustable in height from 43.5 to 59.5 mm; for 2 WMB markers or 1 continuous strip; 10 mm wide

gray 249-118 100 (25)

Height-adjustable group marker carrier; snaps onto end stops (249-116 and 249-117), adjustable in height from 42.2 to 58.2 mm; with marking surface; 6 mm wide

white
249-120
50 (25)

Height-adjustable group marker carrier; snaps onto end stops (249-116 and 249-117), adjustable in height from 45 to 61 mm; for 9 WMB markers or 1 marking strip TOPJOB® S; 12.2 mm wide

gray 2009-163 50 (25)

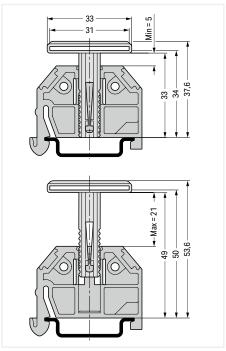


Carrier-through element; height-adjustable; snaps onto end stops (249-116 and 249-117)

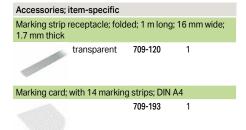
Color	Item No.	Pack. Unit
gray	709-118	50 (25)

Carrier-end element; height-adjustable; snaps onto end stops (249-116 and 249-117)

gray	709-119	50 (25)
gruy	703 113	30 (23)

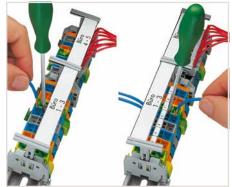


Dimensions in mm





Height adjustable group marker carrier (2009-163) for marking strips (2009-110)



This laterally movable marking system can be used as an additional group marker carrier or continuous marking strip carrier for terminal strips or single-deck rail-mount terminal blocks, e.g., for:

- DIN-35 rail-mount terminal strips (264 Series)
- Single-deck rail-mount terminal blocks (279 to 284 Series) with a maximum height of 49 mm (1.93 inch) from upper-edge of DIN-rail (please observe conductor radius)



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## **Thermal Transfer Printer** Smart Printer







Printer - open



Accessories for unwinding material



Insert the ink ribbon.



Prepare the marking material.

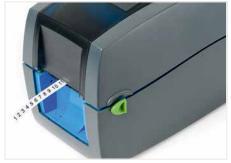




Insert and secure the appropriate roller into the printer.



Printer has several interfaces: USB, ETHERNET, serial COM port



Fast, cost-effective and easy to use – printing WMB Inline markers via Smart Printer

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# Thermal Transfer Printer, Cutter Smart Printer



Smart Printer; WMB Inline markers; Marking strips; Conductor markers and labels; Resolution: 300 dpi

 Item No.
 Pack. Unit

 258-5000
 1

#### **Smart Printer**

#### includes:

- Power supply and cable
- USB cable
- 1 x marking strip reel (2009-110)
- 1 x WMB Inline marker reel (2009-115)
- 2 x roller (258-5006 + 258-5007)
- 1 x reel holder
- 1 x ink ribbon (258-5005)

Technical Data	
Printing method	Thermal transfer
Print head	Glass layer, spring-mounted
Print speed (max.)	127 mm/s (WAGO recommends 50.8 mm/s)
Print width (max.)	47 mm
Print length (max.)	762 mm
Print resolution	300 dpi (12 pixels/mm)
See-through/reflective sensor	Yes, centrally mounted
Operating display	Color TFT LCD with navigation button
Memory	8 MB Flash, 16 MB SDRAM
Interfaces	USB, RS-232, ETHERNET 10/100 Mbps, USB Host
Operating voltage	100 240 VAC, 50 60 Hz (automatic adjustment)
Dimensions (mm) W x H x D	135 x 175 x 245
Weight	2000 g (without printing material)
Operating temperature	5 40 °C (41 104 °F)
Storage temperature	−20 50 °C (−4 122 °F)
Safety approvals	CE (EMC)
Ink ribbon (see also Full Line Catalog, Volume 6, Marking)	External roll diameter: 40 mm; Internal core diameter: 12.7 mm (0.5 inch); Max. length: 110 m; Max. width: 58 mm





Cutter for Smart Printer; for marking strips only; not suitable for WMR Inline markers

aliable for Minip litilite Harvers		
	Item No.	Pack. Unit
	258-5030	1

#### Hardware requirements:

- Printer model: Smart Printer
- From manufacturing month/year: 0814 August 2014
- Firmware version: 1.UW7i
- Printer driver: Version 7.4.2

#### Software requirements:

- Smart Script: Version 3.88.9.0 or higher
- WAGO printer settings: Version 2.4.0.0 or higher

#### Approved print material to be cut:

- Marking strips: 2009-110, 709-177, 709-178, 757-901/000-005
- Self-adhesive marking strips: 210-702, 210-870 ... -877
- Cable tie markers: 211-835 ... -836, 211-836/000-002
- $\bullet$  Self-laminating labels: 211-855  $\dots$  -857
- $\bullet$  Conductor markers for thread-on mounting: 211-861 ... -863
- Type labels: 210-801 ... -804, 210-812
- Continuous labels: 210-831 ... -834
- Label for circuit identification: 210-813

#### Dimensions of printing materials:

- Width (max.): 46 mm
- Thickness (max.): 250 µm

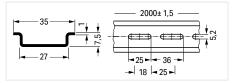
Technical Data	
Width	60 mm
Height	107 mm
Depth	131 mm
Weight	1050 g

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## DIN-Rail; Rail End Cap; Angled Support Bracket, Collective Jumper Carrier



#### Dimensions in mm



Steel DIN-rail;  $I_N$  76 A (based on 1 m length); 35 x 7.5 mm; 1 mm thick; 2 m long; per EN 60715

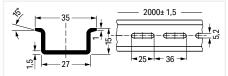
	Item No.	Pack. Unit
unslotted	210-113	10 (1)

Hole width: 25 mm; Hole spacing: 36 mm			
slotted	210-112	10 (1)	

Hole width: 18 mm; Hole spacing: 25 mm 210-115



Dimensions in mm

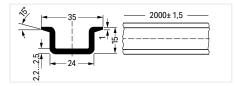


Steel DIN-rail;  $I_N$  125 A (based on 1 m length); 35 x 15 mm; 1.5 mm thick; 2 m long; similar to EN 60715

	Item No.	Pack. Unit
unslotted	210-114	10 (1)
slotted	210-197	10 (1)



Dimensions in mm

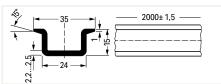


Steel DIN-rail; I<sub>N</sub> 125 A (based on 1 m length); 35 x 15 mm;

2.3 mm thick; 2 m long; per EN 60/15		
	Item No.	Pack. Unit
unslotted	210-118	10 (1)



Dimensions in mm

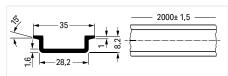


Copper DIN-rail;  $\rm I_N$  309 A (based on 1 m length); 35 x 15 mm; 2.3 mm thick; 2 m long; per EN 60715

	Item No.	Pack. Unit
unslotted	210-198	10 (1)



Dimensions in mm



Aluminum DIN-rail;  $\rm I_N$  76 A (based on 1 m length);  $\rm 35\,x\,8.2$  mm; 1.6 mm thick; 2 m long; similar to EN 60715

	Item No.	Pack. Unit
unslotted	210-196	20 (1)





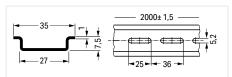
Rail end cap; for DIN-35 rail (7.5 mm high)

Color	Item No.	Pack. Unit
gray	209-109	50 (25)

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#### Dimensions in mm

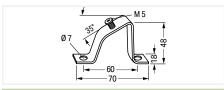


# Steel DIN-rail; $I_N$ 76 A (based on 1 m length); 35 x 7.5 mm; 1 mm thick; 2 m long; per EN 60715

	Item No.	Pack. Unit
unslotted	210-505	1
slotted	210-504	1



#### Dimensions in mm



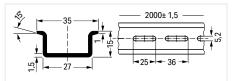
Angled support bracket; without screw	

Item No.	Pack. Unit
210-148	10

Screw M5 x 8		
	210-149	100 (20)



Dimensions in mm

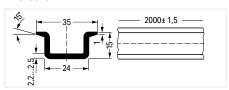


Steel DIN-rail;  $I_{\rm N}$  125 A (based on 1 m length); 35 x 15 mm; 1.5 mm thick; 2 m long; per EN 60715

	Item No.	Pack. Unit
unslotted	210-506	1
slotted	210-508	1



Dimensions in mm



Carrier rail; plastic
Not suited for use with ground terminal blocks!

| Item No. | Pack. Unit |
| 210-509 | 10 (1) |

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# Sealable, Transparent Covers for Rail-Mount Terminal Blocks 709 Series

## Description and Installation



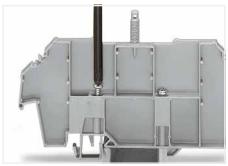
Snapping a cover carrier onto the DIN-rail.



Application example: Cover (type 1) without safety warning



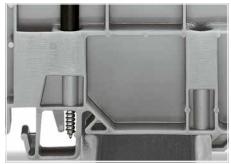
Application example: Cover (type 1) with safety warning



Tightening both securing screw (left) and mounting screw (right).



Application example: Cover (type 2) with safety warning



Securing screw – prevents lifting off from the rail.

Mounting screw – prevents the cover carrier from being moved on the rail.



Removing a cover carrier from the DIN-rail.



Inserting a marking strip into the cover.



Cover with lead seals: Using covers without lead seals, the thread dome-head can be broken off.



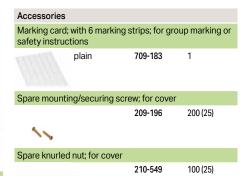
# **Sealable, Transparent Cover; for Rail-Mount Terminal Blocks** 709 Series



Cover; Type 1; for cover carrier (type 1); 1 m long			
Color	Item No.	Pack. Unit	
transparent	709-153	10	



Cover; Type 2; for cover carrier (type 2); 1 m long			
Color	Item No.	Pack. Unit	
transparent	709-154	10	







Cover carrier; Type 1; incl. mounting/securing screws and knurled nut; for rail-mount terminal blocks (279 to 282, 880 Series); for "Mini" rail-mount terminal blocks (264 Series); for sensor/actuator terminal blocks (270 Series)

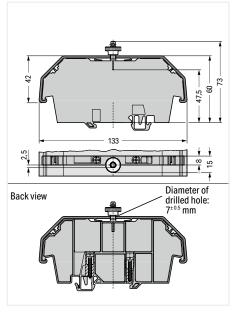
Color	Item No.	Pack. Unit
○ grav	709-167	10



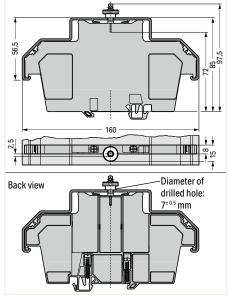
Cover carrier; Type 2; incl. mounting/securing screws and knurled nut; for rail-mount terminal blocks (283 to 285 Series); for double- and triple-deck terminal blocks (279 to 281 Series); for TOPJOB® rail-mount terminal blocks (780 to 785 and 775 Series); for sensor/actuator terminal blocks (280 Series); for disconnect/test terminal blocks for transformer circuits (282 Series)

Color	Item No.	Pack. Unit
gray	709-168	10

#### Dimensions in mm



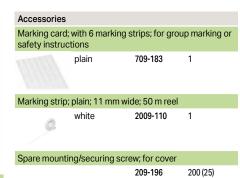
#### Dimensions in mm



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## Sealable, Transparent Cover; for Rail-Mount Terminal Blocks 709 Series





Pack. Unit Color Item No. transparent 709-156 10



Spare knurled nut; for cover

100 (25)

210-549

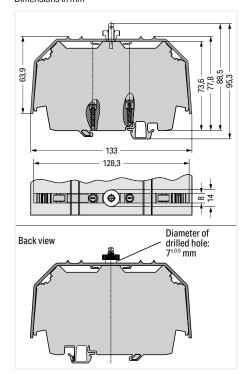




Cover carrier; Type 3; for rail-mount terminal blocks (2000 to 2016 Series, 2102 to 2116 Series, 2200 to 2216 Series); for transformer terminal blocks (2007 Series)

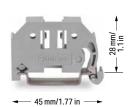
(	Color	Item No.	Pack. Unit
(	gray	709-169	10

### Dimensions in mm





# Screwless End Stop; for DIN-35 Rail 249 Series



Screwless end stop; for DIN-35 rail; 6 mm wide			
Color Item No. Pack. Unit			
gray	249-116	100 (25)	

Screwless end stop; for DIN-35 rail; 10 mm wide		
gray	249-117	50 (25)



Simply snap on - that's it!



Simply snap on – that's it!



Screwless end stop; for DIN-35 rail; 14 mm wide		
Color	Item No.	Pack. Unit
O gray	2/0-107	10



Simply snap on - that's it!



Removing an end stop from the DIN-rail.

Snap on – that's it! Assembling the WAGO Screwless End Stop is as simple and quick as snapping a rail-mount terminal block onto the rail.

#### Tool free!

A tool-free design allows rail-mount terminal blocks to be safely and economically secured against any movement on all DIN-35 rails per DIN EN 60715 (35 x 7.5 mm;  $35 \times 15$  mm).

#### Screwless!

The "secret" to a perfect fit lies in the two small clamping plates which keep the end stop in position, even if the rails are mounted vertically.

#### Simply snap on – that's it!

In addition, costs are significantly reduced when using large numbers of end stops.

Additional benefit: Three marker slots for all WAGO Rail-Mount Terminal Block Marking Systems and one snap-in hole for WAGO's adjustable height group marker carriers offer individual marking options.

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## **Operating Tool**



Operating tool with a partially insulated shaft; Type 1,  $(2.5 \times 0.4) \text{ mm}$  blade

 Item No.
 Pack. Unit

 210-719
 50 (1)

Operating tool with a partially insulated shaft; Type 2, (3.5 x 0.5) mm blade

210-720 50 (1)

Operating tool with a partially insulated shaft; Type 3, (5.5  $\times$  0.8) mm blade

210-721 25(1)

Set of operating tools with a partially insulated shaft; Type 1, (2.5 x 0.4) mm blade; Type 2, (3.5 x 0.5) mm blade; Type 3, (5.5 x 0.8) mm blade

210-722



Operating tool; Blades: 3.5 mm and 2.5 mm; for installation terminal blocks (TOPJOB® S)  $\,$ 

 Item No.
 Pack. Unit

 2009-309
 50 (1)

Operating tool; Blades: 3.5 mm and 5.5 mm; for installation terminal blocks (TOPJOB $^{\circ}$  S)

2009-310 50 (1)



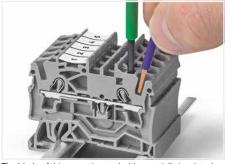
T-wrench with a partially insulated shaft

 Item No.
 Pack. Unit

 285-172
 1

T-wrench with a partially insulated shaft and anti-rotation protection

285-173 1



The blade of this operating tool with a partially insulated shaft is ideal for operating front-entry terminal blocks.



Open the clamping unit using an operating tool.



T-wrench with a partially insulated shaft and anti-rotation protection (285-173)



Set of operating tools in a box (210-722)

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## **Cable Cutter**



Cable cutter; for copper and aluminum cables up to 35 mm² (2 AWG)		
	Item No.	Pack. Unit
	206-118	10 (1)



Cutting a cable.

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## **Cable Stripper**

Item-Specific Accessories



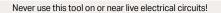
Cable knife; for Ø 8 ... 28 mm / 0.31 ... 1.10 inch; with a unique, changeable cable bracket system; including cable bracket

Item No.	Pack. Unit
206-1403	1



Cable knife set; for Ø 4 ... 70 mm / 0.16 ... 2.75 inch; including all cable brackets in a Sortimo  $^{\!0}$  Box

Item No.	Pack. Unit
206-1400	1





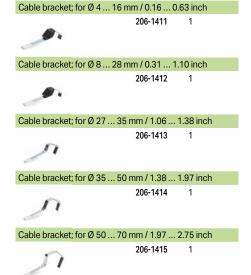
To replace the cable bracket, use the new bracket as an operating tool and pull it upwards.



The cutting depth of the hook blade can be adjusted with the slider.



The cutting depth of the inner knife can be adjusted with the screw.









Strip large cross sections with the hook blade.



Release the fuse before using the hook blade.

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## **Cable Stripper**



In-socket cable stripper; for Ø 8 ... 13 mm / 5/16 ... 1/2 inch

Item No.	Pack. Unit
206-1441	1



Universal cable stripper; for Ø 8 13 mm / 5/16	
1/2 inch	

Item No.	Pack. Unit
206-1442	1



Data cable stripper; for Ø 4.5 ... 10 mm / 3/16 ... 3/8 inch

Item No.	Pack. Unit
206-1451	1



#### Product features:

- · Extra long design and improved force transmission simplifies stripping in deep device connection sockets
- Special four-blade design for an even more precise round cut
- No cutting depth adjustment required
  TiN-coated blades, TÜV/GS tested
- Ø 8 ... 13 mm / 5/16 ... 1/2 inch
- · Strips all standard round cables, including NYM 3 x 1.5 mm<sup>2</sup>/16 AWG ... 5 x 2.5 mm<sup>2</sup>/14 AWG



Sheath stripping: longitudinal cut

#### Product features:

- · Secure grip achieved with soft padding for non-slip
- grips

  Technically improved functionality

  New locking mechanism prevents the unwanted opening of the tool
- Absolutely straightforward, quick and easy longitudinal cuts – with innovative internal cable duct
- Redesigned blade layout and intake to stop cable waste from jamming the tool
- Durable and ergonomically designed pocket clip
- Ø 8 ... 13 mm / 5/16 ... 1/2 inch



Product features:

- Strip outer insulation and foil sheathing with one tool
- Ideal for stripping PVC-insulated data cables with thin insulation (e.g., Cat. 5, Cat. 6, Cat. 7, twisted pair cable)
- · TiN-coated blades
- Ø 4.5 ... 10 mm / 3/16 ... 3/8 inch







Built-in handy knife



Stripping a wire insulation.



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## **Cable Stripper**



Stripping pliers; for sensor cables; for Ø 3.2 ... 4.4 mm / 0.13 ... 0.17 inch

Pack. Unit Item No. 206-1481 1

Item-Specific Accessories

Replacement blade set; for Ø 3.2 ... 4.4 mm / 0.13 ... 0.17 inch

206-1491



Stripping pliers; for control cables; for Ø 4.4 ... 7 mm / 0.17 ... 0.27 inch

Item No.	Pack. Unit
206-1482	1

**Item-Specific Accessories** 

Replacement blade set; for Ø 4.4 ... 7 mm / 0.17 ... 0.27 inch



206-1492



Never use this tool on or near live electrical circuits!

The stripping pliers for sensor cables have a blade geometry specially designed for sensor cables with a smaller cross section and a working range from Ø 3.2 mm / 0.13 inch (for stranded cables and round cables with Ø 3.2 mm ... 4.4 mm / 0.13 ... 0.17 inch).

The stripping pliers for control cables are designed for stronger cables from Ø 4.4 mm / 0.17 inch (for stranded cables and round cables with Ø 4.4 mm ... 7 mm / 0.17 ... 0.27 inch).

These stripping pliers quickly and safely strip cables for connecting, e.g., sensor/actuator distribution boxes, bus couplers and pluggable connectors.

#### Suitable for:

- Halogen-free PUR sensor/actuator cables
- Highly flexible TPE-U cables
- Control cables
- PUR cables
- PUR/PVC cables
- PVC cables
- · Multi-core cables
- · Shielded and unshielded cables







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## Wire Stripper



Wire stripper "Quickstrip Vario"; 0.03 ... 16 mm² / 34 ... 6 AWG; with wire cutter

57 H. 67 H. H. 6 Gatto.		
	Item No.	Pack. Unit
	206-1125	1

Accessories

Blade set; Standard; 0.03 ... 16 mm² / 34 ... 6 AWG

206-1126

Blade set; V-blade; 0.14 ... 4 mm<sup>2</sup> / 24 ... 12 AWG

206-1127

Blade set; Oval blade; 10 ... 16 mm² / 8 ... 6 AWG

206-1128

206-1129

206-1132



Spare stripping stop



206-1131

Spare clamping jaws

Spare cut protector





Cutting a conductor.



Partially stripping a conductor.

#### Wire Stripper:

- Automatically adjust to conductor size
- Stripping blades cause no damage to conductor strands Gripping pressure of jaws adjusts automatically to con-ductor insulation diameter
- Clamping jaws and stripping blades automatically open once the stripping process is completed – no splaying of the conductor strands
- Exact strip length may be set by sliding black setting stop
- Stripping blades can be replaced
- Self-sharpening, fully protected cutter (replaceable)
- Entire body made of glass-fiber-reinforced polyamide
- Cutting capacity of the wire cutter of fine-stranded conductors up to 16 mm<sup>2</sup> (6 AWG)

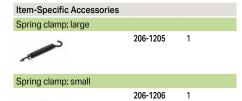
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## **Crimping Tool**



Crimping tool "Variocrimp 4"; for insulated and uninsulated ferrules; Crimping range: 0.25 ... 4 mm² (24 ... 12 AWG)

Item No.	Pack. Unit
206-1204	1





Crimping tool "Variocrimp 16"; for insulated and uninsulated ferrules; Crimping range: 6 mm² (10 AWG), 10 mm² (8 AWG) and 16 mm² (6 AWG)

Item No.	Pack. Unit
206-1216	1

Item-Specific Accessories			
Spring clamp; small			
1212	206-1206	1	

#### Application notes:

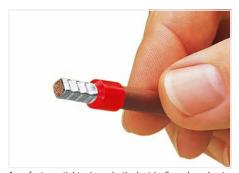
- The built-in crimping pressure control of "Variocrimp 4" automatically adjusts the crimping force to the conductor cross section. Select the wire gauge on "Variocrimp 16" before crimping.
- 16" before crimping.
   Only one crimping station is needed to handle the specified conductor range.
- Uniform, compact crimping on all four sides for high conductor retention.
- No need to center the ferrules into the terminal blocks.
- Crimping can be performed from either side (for left- or right-handed users).
- Built-in ratchet mechanism ensures gas-tight crimp connection.
- Crimping tools open automatically after crimping operation is complete.
- Ergonomically designed handles.



Insert the ferruled conductor into the crimping station.



 $\label{eq:squeeze} Squeeze\ handles\ until\ ratchet\ mechanism\ is\ released.$ 



A perfect gas-tight crimp – both electrically and mechanically reliable

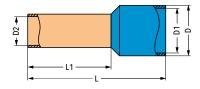


Only for "Variocrimp 16":
Adjust conductor cross section with crimping tool in open position.

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## Insulated ferrule; for Rail-Mount Terminal Block TOPJOB® S





F 1			I DINI 4	0000 (D ) 4 (0	0.00\				
		olytic copper; gastight crimpe	a; per DIN 4						
Conductor Cross Section	Color	Strip Length	L	L1	D	D 1	D 2	Item No.	Pack. Unit
0.5 mm <sup>2</sup> / 20 AWG	O white	12 mm / 0.47 inch	16	10	3,1	2,6	1	216-241	1000
0.75 mm <sup>2</sup> / 18 AWG	gray	12 mm / 0.47 inch	16	10	3,3	2,8	1,2	216-242	1000
0.75 mm <sup>2</sup> / 18 AWG	gray	14 mm / 0.55 inch	18	12	3,3	2,8	1,2	216-262	1000
1 mm <sup>2</sup> / 18 AWG	red	12 mm / 0.47 inch	16	10	3,5	3	1,4	216-243	1000
1 mm <sup>2</sup> / 18 AWG	red	14 mm / 0.55 inch	18	12	3,5	3	1,4	216-263	1000
1.5 mm <sup>2</sup> / 16 AWG	<ul><li>black</li></ul>	12 mm / 0.47 inch	16	10	4	3,5	1,7	216-244	1000
1.5 mm <sup>2</sup> / 16 AWG	<ul><li>black</li></ul>	14 mm / 0.55 inch	18	12	4	3,5	1,7	216-264	1000
1.5 mm <sup>2</sup> / 16 AWG	<ul><li>black</li></ul>	20 mm / 0.79 inch	24	18	4	3,5	1,7	216-284	500
2.5 mm <sup>2</sup> / 14 AWG	blue	12 mm / 0.47 inch	17	10	4,7	4,2	2,2	216-246	1000
2.5 mm <sup>2</sup> / 14 AWG	blue	14 mm / 0.55 inch	19	12	4,7	4,2	2,2	216-266	1000
2.5 mm <sup>2</sup> / 14 AWG	blue	20 mm / 0.79 inch	25	18	4,7	4,2	2,2	216-286	500
4 mm² / 12 AWG	gray	14 mm / 0.55 inch	20	12	5,4	4,8	2,8	216-267	500
4 mm <sup>2</sup> / 12 AWG	gray	20 mm / 0.79 inch	26	18	5,4	4,8	2,8	216-287	100
6 mm² / 10 AWG	yellow	14 mm / 0.55 inch	20	12	6,9	6,3	3,5	216-208	100
6 mm <sup>2</sup> / 10 AWG	yellow	20 mm / 0.79 inch	26	18	6,9	6,3	3,5	216-288	100
10 mm² / 8 AWG	red	20 mm / 0.79 inch	28	18	8,4	7,6	4,5	216-289	100
16 mm² / 6 AWG	blue	23 mm / 0.91 inch	28	18	9,6	8,8	5,8	216-210	100



Fine-stranded conductors with ferrules from at least two sizes below the rated cross section up to the rated cross section can also be simply pushed in – without tools.

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### **Crimping Tool**



Crimping tool 25; for insulated and uninsulated ferrules; crimping range: 10  $\rm mm^2$  (8 AWG), 16  $\rm mm^2$  (6 AWG) and 25  $\rm mm^2$  (4 AWG)

Item No.	Pack. Unit
206-1225	1



Crimping tool 50; for insulated and uninsulated ferrules; crimping range:  $35~\text{mm}^2$  (2 AWG) and  $50~\text{mm}^2$  (1/0 AWG)

Item No.	Pack. Unit
206-1250	1



Insert the ferruled conductor into the crimping station.



Squeeze handles until ratchet mechanism is released.

#### Application notes:

- Improved crimping for higher conductor retention
- Crimping can be performed from either side (for left- or right-handed users).
- Built-in ratchet mechanism ensures gas-tight crimp connection.
- Crimping tools open automatically after crimping operation is complete.
- · Ergonomically designed handles.

#### What is a "gas-tight" connection?

In a gas-tight connection, the conductor and the ferrule are compressed, eliminating all spaces. Under normal atmospheric conditions, neither a liquid nor gaseous medium can penetrate the crimped connection. Oxidation between crimped single conductors is prevented, virtually eliminating the possibility of any increase in the crimped connection's resistance. In some exceptional cases, minute, isolated spaces may be present. However, these instances can be considered as closed off due to the twisted conductor.

Inadequate crimping can allow the conductor to be pulled out of the connection. Hollow spaces also remain, permitting oxidation formation and an increase in contact resistance.

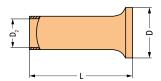
Elevated resistance is detrimental for both signal transmission (signal flow is damped) and power transmission, resulting in power loss and contact heating (risk of fire). Crimping tools with built-in ratchets are recommended (e.g., WAGO Crimping Tools). These tools open automatically after the crimping operation is complete. Space-saving crimping from all four sides is ideal for spring clamp termination.

Ferruled conductor cross sections specified for WAGO products are based on this crimping method.

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## **Uninsulated Ferrule**





Ferrule; uninsulated; elect	ro-tin-plated; electrolytic cop	oper; gastight crimped	l; per DIN 46288 (Part 4/09.09)			
Conductor Cross Section	Strip Length	L	D	D 2	Item No.	Pack. Unit
25 mm² / 4 AWG	25 mm / 0.98 inch	25	9,5	7,3	216-413	50
35 mm² / 2 AWG	25 mm / 0.98 inch	25	11	8,3	216-414	50
35 mm² / 2 AWG	30 mm / 1.18 inch	30	11	8,3	216-424	50
50 mm <sup>2</sup> / 1/0 AWG	30 mm / 1.18 inch	30	13	10,3	216-425	50
50 mm² / 1/0 AWG	35 mm / 1.38 inch	35	13	10,3	216-435	50



## **Test and Measurement Devices** 206 Series



Testboy; with integrated flashlight, non-contact voltage tester				
Item No. Pack. Un				
	206 904	C (1)		



A device that will reliably detect AC voltage in cables, sockets, fuses, switches, outlets and other installations. Testboy can detect the following:

• Live conductors

• Cable breaks

• Blown fuses (in cartridges or holders)

- Defective switches
- Defective lamps in strings of lights



### **Test and Measurement Devices** 206 Series



Profi-LCD+; 2-pole voltage tester with LCD display; removable 4 mm Ø test probes

tem No.	Pack. Unit
206-707	1



Profi-LED+; 2-pole voltage tester with LED display; removable 4 mm Ø test probes

Item No.	Pack. Unit
206-706	1



Spare test probes; 4 mm Ø (2 pieces) Item No. Pack. Unit 206-808



Additional Profi-LCD+ features:

- Automatic measurement range selection
   Single-pole phase testing AC >100 V

- Two-pole sequence testing (R and L)
   Continuity testing
   RDC/RCD testing (30 mA) via buttons
   One-hand operation for SCHUKO® and CEE sockets
- · LED torch lamp function
- · Automatic backlight
- Auto power-off function
- CAT IV 1000 V
- TÜV/GS tested and approved
- IEC/EN 61243-3 (DIN VDE 0682-401)



Additional Profi-LED+ features:

- Automatic measurement range selection Single-pole phase testing AC >100 V

- Two-pole priase testing (R and L)
  Continuity testing
  RDC/RCD testing (30 mA) via buttons
  One-hand operation for SCHUKO® and CEE sockets
- LED torch lamp function
- **CAT IV 1000 V**
- TÜV/GS tested and approved
- IEC/EN 61243-3 (DIN VDE 0682-401)



#### Profi-LED+:

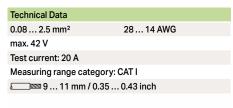
- Improved socket contact via 4 mm Ø test probes
- Removable test probes for small test ports (suitable for all WAGO Terminal Blocks)







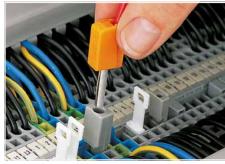
# **Banana Plug (Only for Safety Extra-Low Voltage)** 215 Series







Conductor termination: Press button fully, insert stripped conductor into square entry and release.



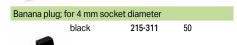
Testing via banana plug. Picture shows a test plug adapter (209-170).

Banana plug; for 4 mm socket diameter; color mixed; 10 orange, white, black, blue, yellow			
	Item No.	Pack. Unit	
	215-111	50	

#### Banana plug; single

Banana plug; for 4 mm socket diameter						
ge 215-211	<b>I</b> 50					







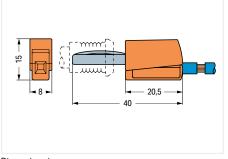
Banana plug; for 4 mm socket diameter
yellow 215-511 50

Banana plug; for 4 mm socket diameter					
	white	215-611	50		

Banana plug; for 4 mm socket diameter

	blue	215-711	50
Banana plug;	for 4 mm socket	diameter	

	gray	215-811	50	
Banana plug;	for 4 mm socket	t diameter		
	green-yellow	215-911	50	



Dimensions in mm

# **Test Plug** 210 Series

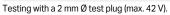




Test plug; with 500 mm cable; 2 mm Ø; max. 42 V								
Color Item No. Pack. Unit								
red	210-136	50 (1)						

Test plug; with 500 mm cable; 2.3 mm Ø; max. 42 V								
Color	Item No.	Pack. Unit						
yellow	210-137	50 (1)						







Testing with a 2.3 mm  $\emptyset$  test plug (max. 42 V).

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2010 Series         2016-7692         224 2020-111/125-000         184 2020-207/000-038 2020-111/135-000         184 2020-207/1000-038 2020-111/135-000         184 2020-207/1000-039 2020-038 2020-111/135-000         184 2020-207/1000-039 2020-038 2020-111/135-000         184 2020-207/1000-039 2020-038 2020-111/135-000         184 2020-207/1000-039 2020-020 2020-0207/134-000         184 2020-207/134-000         2020-107/1000-036 2020-207/134-000         184 2020-207/134-000         2020-107/1000-036 2020-207/134-000         180 2020-207/134-000         2020-112/000-036 2020-127/1000-037         180 2020-208/1000-036         180 2020-208/1000-036         2020-102/1000-038         2020-112/1000-037         180 2020-208/1000-036         2020-102/1000-036         180 2020-208/1000-036         2020-102/1000-038         2020-112/1000-039         180 2020-208/1000-036         2020-102/102/102/1020         184 2020-112/1000-039         180 2020-208/1000-038         2020-102/102/102-000         184 2020-112/145-000         184 2020-102/102/102-000         184 2020-112/145-000         184 2020-102/102/103-000         184 2020-112/145-000         184 2020-103/1000-038         180 2020-208/1000-038         2020-103/1000-038         180 2020-103/1000-038         180 2020-103/1000-038         180 2020-103/1000-038         180 2020-103/1000-038         180 2020-103/1000-038         180 2020-103/1000-038         180 2020-103/1000-038         180 2020-103/1000-038         180 2020-103/1000-039         180 2020-113/10000-038         180 2020-103/1000-038         180 2020-103/1000-038	
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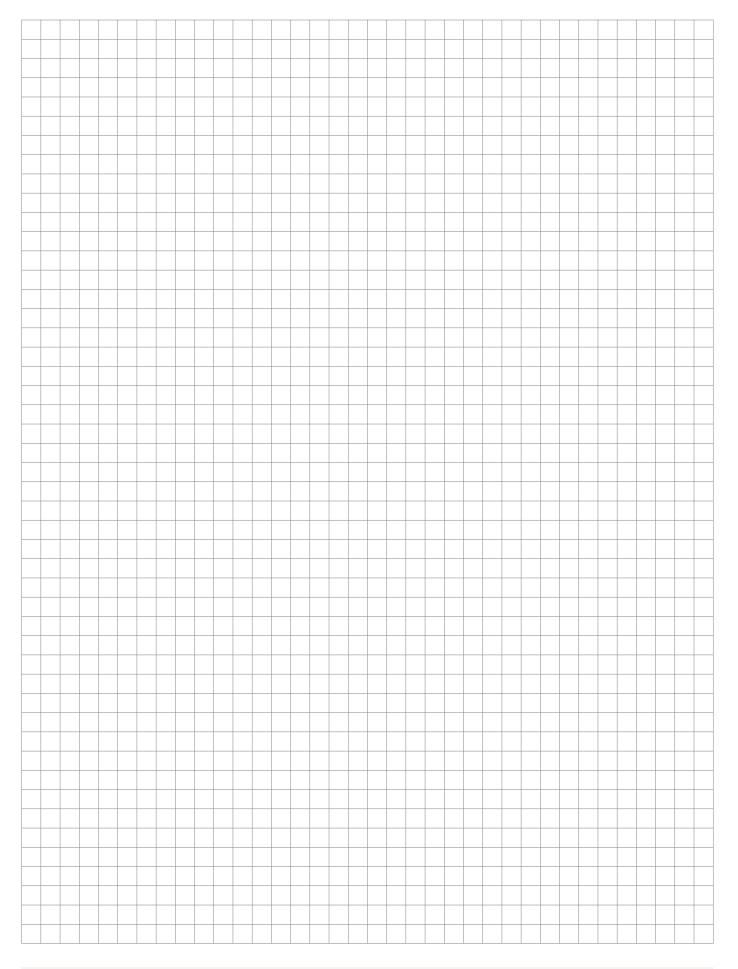
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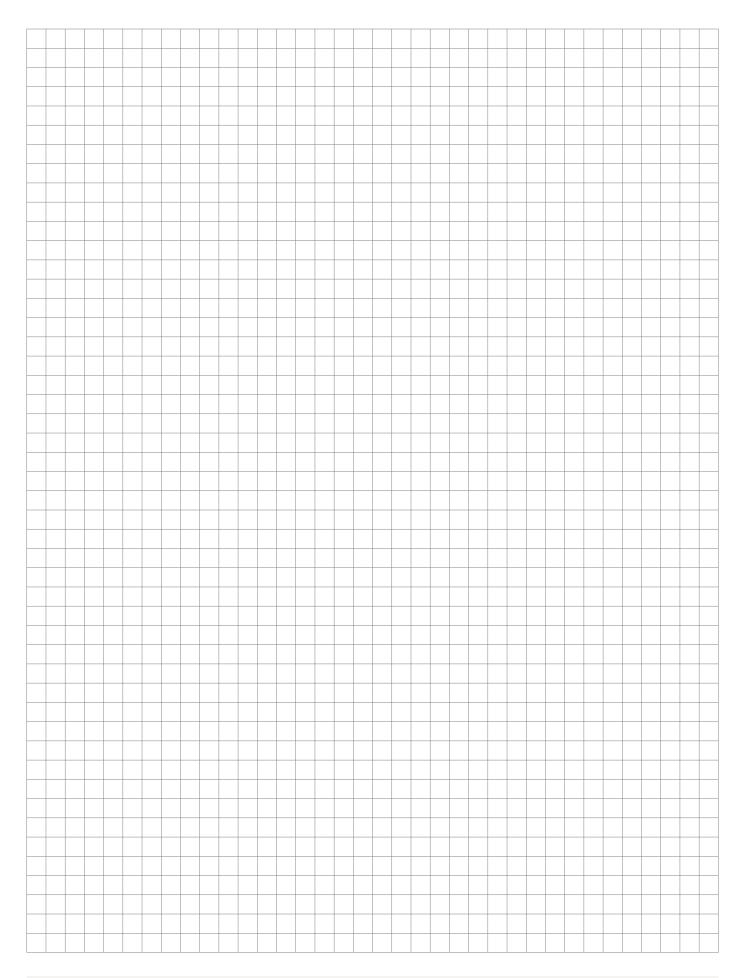
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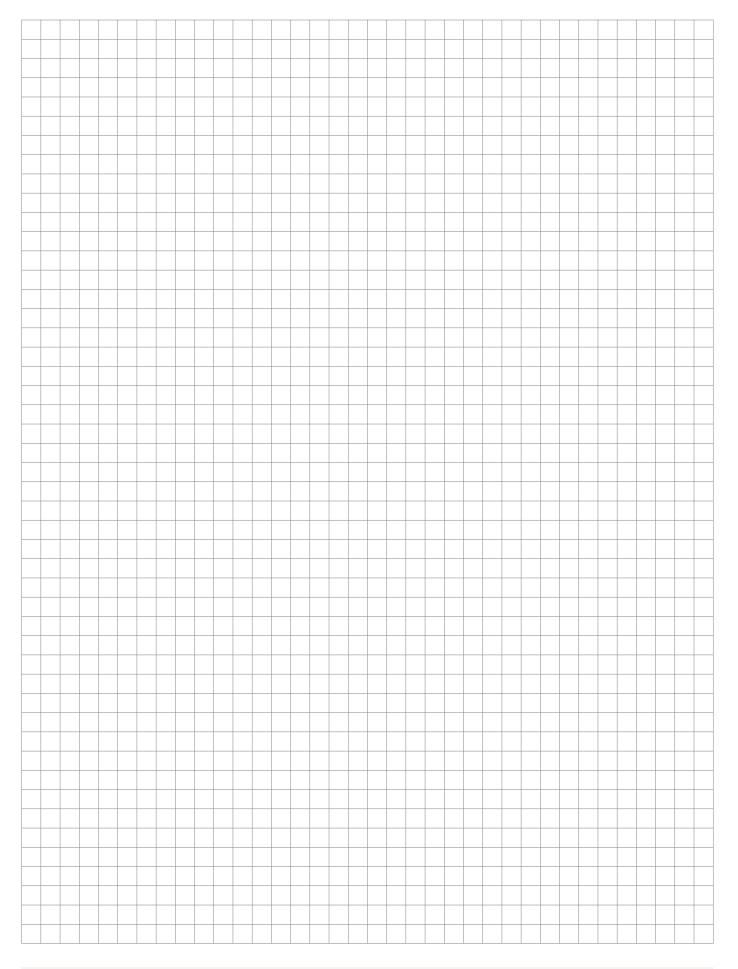
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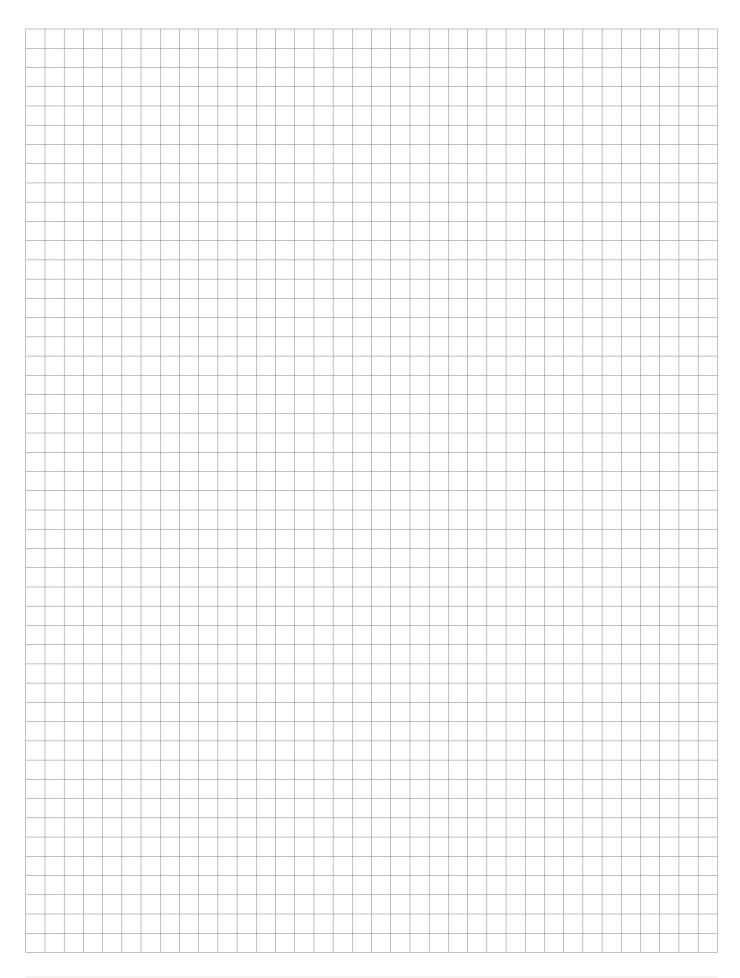














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