

Round plug connectors Food & Beverage



M8

M12

M12 Steel

| Valve Plug

7/8





A CLEAN SOLUTION







HIGH DEMANDS OF THE FOOD & BEVERAGE INDUSTRY

The food & beverage industry is extremely demanding for the products and components that are used in association with hygiene, cleanliness and corrosion protection. That's why stainless steel is the main material that is used in food & beverage production systems; it offers important protection and guarantees reliability.

Murrelektronik provides a wide range of connectors that meet the extreme requirements in the food & beverage industry.

All Murrelektronik connectors are based on proven technologies. Metal parts of the connectors designed specifically for the food & beverage industry have been replaced with stainless steel, ensuring the highest corrosion protection. The light color connector covers make it easy to notice dirt and mold. Plugs and cables are made of a plastic material that fulfills all demands of the food & beverage industry.

Murrelektronik recommends the extremely rugged M12 Steel connector for applications with frequent high-pressure wash downs. It has a stainless steel housing, can be washed down with acidic and caustic cleaning agents, and is suitable for a temperature range up to 105° C (220° F). These features make it suitable even for the toughest requirements.

All Murrelektronik connectors for the food & beverage industry are tested according to ECOLAB procedures so they are guaranteed to meet the highest requirements regarding non-leakage and corrosion resistance.

With open ended wires **Female** straight - V4A nut - Protection IP65/68 ECOLAB Approvals: Form 08041 08061 No. Configuration 3-pole 4-pole Circuit diagram brown (+) brown (+) white (N/C) black (N/O) black (N/O) blue (-) blue (–) **Contact layout** Female Female 2 Cable type **Jacket color Jacket color** Wire diameter 0.25 mm² gray gray 210 211 Cable length 1.5 m 0150 3.0 m 0300 5.0 m 0500 7.5 m 0750 10.0 m 1000 Article no. 7 0 1 4 **Cable type Cable length Form** Notes Differing cable lengths on request.



ROUND PLUG CONNECTOR M8 stay connected With open ended wires **Female Female** 90°, with LED 90° - V4A nut - Protection IP65/68 ECOLAB Approvals: 08101 08081 08121 **Form** No. Configuration 3-pole 4-pole 3-pole, with 2 x LED (PNP) Circuit diagram brown (+) brown (+) brown (+) white (N/C) black (N/O) black (N/O) black (N/O) blue (-) blue (-) blue (-) 3 (NPN) on request **Contact layout** Female Female Female **Cable type Jacket color Jacket color Jacket color** Wire diameter 0.25 mm² gray gray gray 210 210 211 **Cable length** 1.5 m 0150 3.0 m 0300 5.0 m 0500 7.5 m 0750 10.0 m 1000 Article no. 7 0 1 4 **Cable length Cable type Form** Notes Differing cable lengths on request.

Ith open ended wires	Female straight	Female 90°	Female 90°, with LED
V4A nut Protection IP65/68	Straight	90	90 , With LED
pprovals: color			
1 Form No.	12221	12341	12421
Configuration	4-pole	4-pole	4-pole with 3 x LED (PNP)
Circuit diagram	1 > brown (+)	1 D brown (+) 2 D white (N/C) 4 D black (N/O) 3 D blue (-)	brown (+) 2 > white (N/C) 4 > black (N/C) green = white = yellow blue (-)
Contact layout			(NPN) on request
	Female 3 5 4 2 1	Female 3 5 4 2	Female 3 5 4 2 1
2 Cable type	Jacket color	Jacket color	Jacket color
Wire diameter 0.34 mm ²	gray	gray	gray
PVC	214	214	214
3 Cable length			
1.5 m	0150		
3.0 m	0300		
5.0 m	0500		
7.5 m	0750		
10.0 m	1000		
Article no.			
	7014 -		
	1	Form 2 Cable ty	pe 3 Cable length
1.4			
Notes	Differing cable lengths on request.		



– shie – V4/	open ended wires elded A nut tection IP65/68	Female straight	Female 90°	ay connected
Appro	ovals: colab			
1	Form No.	13221	13281	
	Configuration	5-pole	5-pole	
	Circuit diagram	brown (+) 2	brown (+) 2 > white (N/C) 4 > black (N/O) 3 > gn/ye shield	
	Contact layout	Female 3 5 4 2	Female 3 5 4 2	
	Cable type	Jacket color	Jacket color	
	Wire diameter 0.34 mm ² PVC	gray 348	gray 348	
3	Cable length			
	1.5 m	0150		
	3.0 m 5.0 m	0300 0500		
	7.5 m	0750		
	10.0 m	1000		
	Article no.			
		7 0 1 4		- — ngth
Notes Differing cable lengths on request.				

1	ROUND PLUG CONNECTOR MIZ						
Conn	ection cables	Male straight	Female straight	Male straight	Female 90°	Male straight	Female 90°, with LED
M12 - M12V4A nut/screwProtection IP65/68		Sauge.	Stage.	,			33,
Approvals: COLAB							
1	Form No.	40021		40121		40341	
	Configuration	4 pole		4 pole		4 pole with 3 x LED (PN	IP)
	Circuit diagram	brown (+) brown (+) white (N) black (N)	(C)	brown black a blue ((N/C)	brown (+) white (N/C) black (N/O) blue (-)	C 1 C 2 C 4 Spellow Swhite Signen
	Contact layout					(NPN) on request	
		Male Fema 4 5 6 3 3 3 6 5 0 1 1 2 2 2			emale 5 4 1	Male Fema 4 5 6 3 3 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	_ 4
2	Cable type	Jacket color		Jacket color		Jacket color	
	Wire diameter 0.34 mm ²	gray		gra		gray	
	PVC	214		214	4	214	
3	Cable length						
	1.5 m	0150					
	3.0 m 5.0 m	0300					
	7.5 m	0500 0750					
	10.0 m	1000					
	Article no.						
		7 0 1	4			- -	
			1 Fc	orm	2 Cable typ	e 3 Ca	ble length
NI-1							
Not	es	Differing cable lengths	on request.				
		<u> </u>					

ROUND PLUG CONNECTOR M12 STEEL



stay connected

With open ended wires/ Connection cables		With open ended w Female	vires		Connection cables Male	(M12 - M12)	Female
– V4A housing – Protection IP68/69K		straight			straight		straight
Appro	ovals: COLAB						
1	Form No.	12221			40021		
	Configuration	4 pole			4 pole		
	Circuit diagram	1 D brown (+) 2 D white (N/C) 4 D black (N/C) 3 D blue (-)			brown (+) 1	C) (2)	
	Contact layout	Female 3			Male Fema 4 5 3 3 3 5 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
	Cable type	Jacket color			Jacket color		
	Wire diameter 0.34 mm ²		gray			gray	_
	PVC TPE-S		214 336			214 336	
	111.5		330			330	
2							
	Cable length						
	1.5 m 3.0 m	0150 0300					
	5.0 m	0500					
	7.5 m	0750					
	10.0 m	1000					
	Article no.						
	AI LICE IIV.						
		7 0 4	1 _				
			1 For	m	2 Cable type	e 3	Cable length
Note	es	Differing cable lengths o	on request.				

– inst tect – V2/	-wireable ulation displacement hnology A nut tection IP67	Male straight	Female straight	Female 90°		
1	Form No.	12481	12601	12681		
	Configuration	4-pole	4-pole	4-pole		
	Circuit diagram	1 — o 2 — o 4 — o 3 — o	1 2 0 0 2 2 2 0 0 4 2 0 0 0 0 0 0 0 0 0 0	1 2 0 0 2 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
	Wire diameter	0.250.5 mm ²	0.250.5 mm ²	0.250.5 mm ²		
	Contact layout	Male 4	Female 3 5 4 2	Female 3 5 4 2		
	Technical data					
	Supply voltage	max. 32 V				
	Nominal current	max. 3 A				
	Voltage isolation	500 V				
	Conductor diameter	≥ 0.1 mm (acc. to DIN VDE 0812)				
	Outer wire diameter Outer cable diameter	1.21.6 mm				
	Wire isolation	45.1 mm PVC, PP, TPE				
	Connection frequency	10				
	Protection	IP67 when plugged and screwed down (EN 605	529)			
	Temperature range	-25+85 °C (-13+185 °F)	,			
	Combustibility acc. to UL 94	VO				
	Article no.					
		<u>7002</u>		0 0 0 0		
		1 50	rm			
		1 10	1111			
Note	es					
			www.com	ioso.com		



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	d-v	VII	ca	u	ᇆ

- Screw terminals
- V4A nut
- Protection IP67







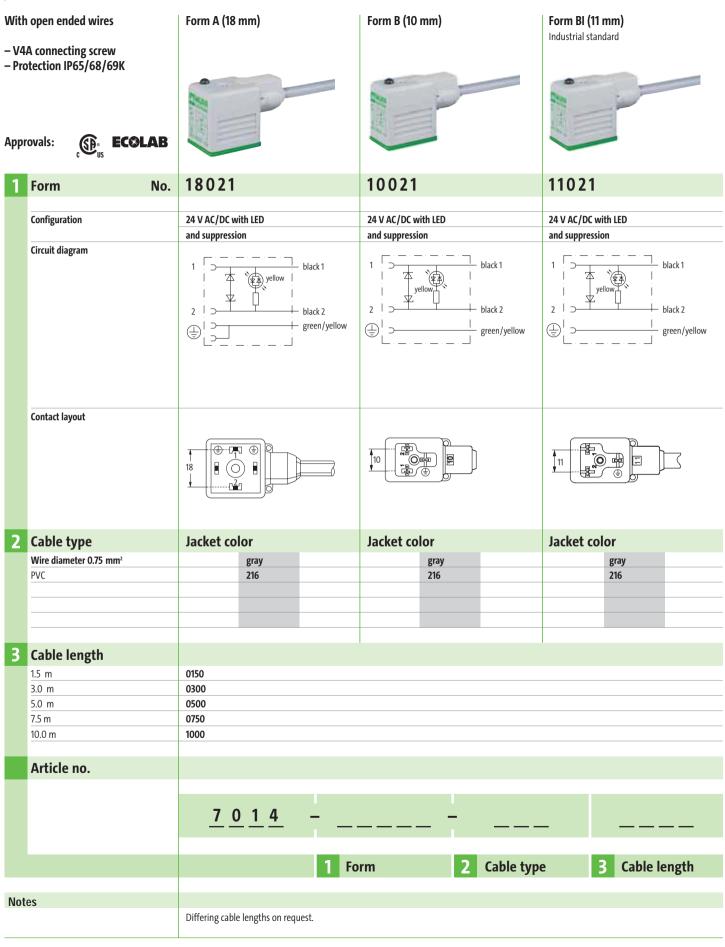




90°

Torm No. 12761 12881 12961 13041					
Circuit diagram 1 = 0					
Circuit diagram 1					
3 — o 3 — o 3 > — o 5 — o 5 > — o					
Clamping range screw thread 68 mm 68 mm 68 mm					
Contact layout Male Male Male Female Female					
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$					
Technical data					
Supply voltage 125 V AC/DC 125 V AC/DC 125 V AC/DC 125 V AC/DC 125 V AC/DC					
Current per contact max. 4 A					
Wiring method screw terminals					
Connection diameter max. 0.75 mm ²					
Protection IP67 when plugged and screwed down (EN 60529)					
Housing material flame retardant plastic, resistant against standard coding agents and lubricants					
Clamping range screw thread 68 mm					
Article no.					
<u>7 0 0 4 0 0 0</u>	0_0				
1 Form					
Notes	Notes				

VALVE PLUG



VALVE PLUG



stay connected With open ended wires Form C (8 mm) Form CI (9,4 mm) Industrial standard - V4A connecting screw - Protection IP65/68/69K **ECOLAB** Approvals: 80021 94021 **Form** No. Configuration 24 V AC/DC with LED 24 V AC/DC with LED and suppression and suppression Circuit diagram black 1 black 2 green/yellow green/yellow **Contact layout** Cable type **Jacket color Jacket color** Wire diameter 0.75 mm² gray gray 216 216 **Cable length** 1.5 m 0150 3.0 m 0300 5.0 m 0500 0750 7.5 m 10.0 m 1000 Article no. 7 0 1 4 **Cable length Cable type Form** Notes Differing cable lengths on request.

ROUND PLUG CONNECTOR 7/8"

With open ended wires - V2A nut - Protection IP65/68	Female straight	Female 90°
Approvals: control of the control of		
1 Form No.	78021	78051
Configuration	5-pole Power cable	5-pole Power cable
Circuit diagram	1	black (1) 2
Contact layout	Female 3 2 4 5	Female 3 2 4 1 5
2 Cable type	Jacket color	Jacket color
Wire diameter 1.5 mm ² PUR, suitable for C-tracks (UL/CSA)	gray 961	gray 961
3 Cable length 1.5 m 3.0 m 5.0 m 7.5 m 10.0 m	0150 0300 0500 0750 1000	
Article no.		
	<u>7012</u>	
	1 Form	2 Cable type 3 Cable length
Notes	Differing cable lengths on request.	
	omening cable lengths on request.	www.comoso.com

ROUND PLUG CONNECTOR 7/8"

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Field-wireable

insulation displacement technology

- V2A nut
- Protection IP67

Female straight



1	Form No.	78211
	Configuration	5-pole
	Circuit diagram	1
	Wire diameter	0.751.5 mm ²
	Contact layout	Female 3 2 4 5
	Technical data	
	Supply voltage	230/400 V AC/DC
	Nominal current	max. 10 A
	Conductor diameter	≥ 0.15 mm (acc. to DIN VDE 0812)
	Outer wire diameter	≤2.8 mm
	Outer cable diameter	6.812.5 mm
	Wire isolation	PVC, PP, TPE
	Connection frequency	10
	Protection	IP67 when plugged and screwed down (EN 60529) -25+85 °C (-13+185 °F)
	Temperature range	-25+85 C (-15+185 F)
	Article no.	
		7 0 0 2 <u>0 0 0</u>
Not	es	





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