

## IDC Terminal Blocks



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Drawings  
Online**IDC (Insulation Displacement Connection) Terminal Blocks Overview****Product Description**

The superior design of Eaton's Insulation Displacement Connection (IDC) technology terminal blocks reduces wiring installation time and labor, especially in high-volume applications. IDC terminal blocks are suited for applications in automated equipment and machine tools, packaging and material handling machinery, railway/mass transit systems, petrochemical, and any other application requiring high-volume connections for low-voltage control and signal circuitry where labor cost reduction and ease of assembly is desired. These terminal blocks are designed for long-term use under demanding conditions.

The XBQT Series allows for wire to be connected without any prior stripping. The quick connection provides up to 60% reduction in wiring time. One turn of a standard screwdriver results in a simple, fast and reliable connection.

**Application Description**

The XBQT is operated with a standard screwdriver. The switching states are clearly signaled by engagement points in the start and end positions. Solid and stranded wires of 0.25 to 2.5 mm<sup>2</sup> can be wired without the use of ferrules. Stripping the wire is not required—the wire's insulation is cut open when it is properly connected. The wire is securely placed in the end position where it makes large-area, gas-tight contact. Connections are made in seconds!

**Features**

- Quick connection capability
- Global acceptance
- Flexible plug-in bridge system
- Large surface area for marking
- Standardized testing system

**Standards and Certifications**

- UL recognized—File No. E67464
- CE approved
- LVD <sup>①</sup>
  - EN 60947-7-1
  - EN 60947-7-2
  - EN 60998-2-3
  - EN 60352-4/A1
- ATEX approval (Eex e applications)

**Note**

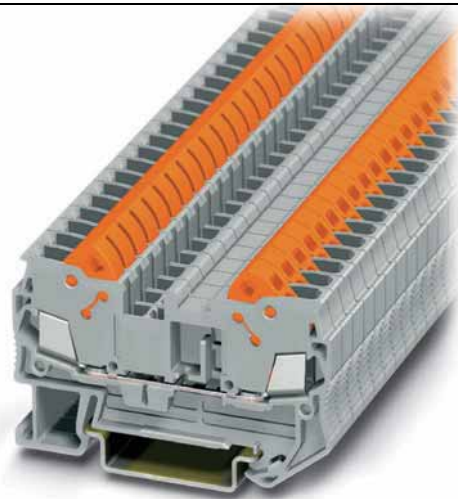
- <sup>①</sup> Not all standards apply to all terminal blocks. Contact Eaton for details.

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## Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

Single Level



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### Single Level

#### Product Description

The XBQT IDC terminal block has the fastest connection time in a compact design. The space-saving front connection design offers additional space for wiring between the cable ducts. The double bridge shaft can

accommodate individual chain bridging and step-down bridging from other terminal blocks. The XBQT ground blocks are the same shape as the feed-through terminal blocks with the same wide range of cross-sections

available. They easily snap onto the DIN rail to make a reliable mechanical and electrical contact that meets all requirements of IEC 60-947-7-2.

#### Product Selection

XBQT25

#### IDC—Single Level Terminal Blocks



Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	EN 50 019 ① in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	16 AWG/1.5 mm <sup>2</sup>	800/17.5/24–16	550/16/24–16	600/10/24–16	Gray	50	<b>XBQT15</b>
					Blue	50	<b>XBQT15BU</b>
6.2 mm	14 AWG/2.5 mm <sup>2</sup>	800/24/20–14	—	600/15/20–14	Gray	50	<b>XBQT25</b>
					Blue	50	<b>XBQT25BU</b>

XBQT15PE

#### IDC—Single Level Terminal Ground Blocks



Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	EN 50 019 ① in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	16 AWG/1.5 mm <sup>2</sup>	—/—/24–16	—/—/24–16	—/—/24–16	Green/Yellow	50	<b>XBQT15PE</b>
6.2 mm	14 AWG/2.5 mm <sup>2</sup>	—/—/20–14	—	—/—/20–14	Green/Yellow	50	<b>XBQT25PE</b>

#### Note

① EU type—examination certificate number: KEMA 05ATEX2157 U (XBQT15), KEMA 05ATEX2160 U (XBQT25).

## Accessories

## IDC—Single Level Terminal/Ground Blocks

Description	Color	Number of Positions	Standard Pack	XBQT15 Catalog Number	XBQT25 Catalog Number	XBQT15PE Catalog Number	XBQT25PE Catalog Number
End cover	Gray	—	10	<b>XBACQT15</b>	<b>XBACQT25</b>	<b>XBACQT15</b>	<b>XBACQT25</b>
Partition plate	—	—	10	<b>XBATQT25</b>	<b>XBATQT25</b>	<b>XBATQT25</b>	<b>XBATQT25</b>
Plug-in bridge	Red	2	10	<b>XBAFBS25</b>	<b>XBAFBS26</b>	<b>XBAFBS25</b>	<b>XBAFBS26</b>
		3	10	<b>XBAFBS35</b>	<b>XBAFBS36</b>	<b>XBAFBS35</b>	<b>XBAFBS36</b>
		5	10	<b>XBAFBS55</b>	<b>XBAFBS56</b>	<b>XBAFBS55</b>	<b>XBAFBS56</b>
		10	10	<b>XBAFBS105</b>	<b>XBAFBS106</b>	<b>XBAFBS105</b>	<b>XBAFBS106</b>
		50	10	<b>XBAFBS505</b>	<b>XBAFBS506</b>	<b>XBAFBS505</b>	<b>XBAFBS506</b>
Test adapter	—	—	10	<b>XBATSPA14</b>	<b>XBATSPA14</b>	<b>XBATSPA14</b>	<b>XBATSPA14</b>
2.3 mm diameter test plug	—	—	—	<b>XBATSMPS-<sup>①</sup></b>	<b>XBATSMPS-<sup>①</sup></b>	<b>XBATSMPS-<sup>①</sup></b>	<b>XBATSMPS-<sup>①</sup></b>
Modular test plug	—	—	10	<b>XBATSPS5</b>	<b>XBATSPS5</b>	<b>XBATSPS5</b>	<b>XBATSPS5</b>
Blank marker strip center and external marking	White	—	10	<b>XBMZBF5<sup>②</sup></b>	<b>XBMZBF6<sup>②</sup></b>	<b>XBMZBF5<sup>②</sup></b>	<b>XBMZBF6<sup>②</sup></b>
Blank marker strip center labeling (strip of 10)	White	—	10	<b>XBMZB5<sup>②</sup></b>	<b>XBMZB6<sup>②</sup></b>	<b>XBMZB5<sup>②</sup></b>	<b>XBMZB6<sup>②</sup></b>

## Technical Data and Specifications

## IDC—Single Level Terminal/Ground Blocks

Description	XBQT15	XBQT25	XBQT15PE	XBQT25PE
<b>Technical Data in Accordance with IEC</b>				
Maximum load current in A/cross-section in mm <sup>2</sup>	17.5/1.5	24/2.5	—	—
Rated surge voltage in kV/contamination class	8/3	8/3	8/3	8/3
Surge voltage category/insulating material group	III/I	III/I	III/I	III/I
<b>Connection Cross-Section</b>				
Core insulation	PVC/PE	PVC/PE	PVC/PE	PVC/PE
Single/multiple/fine strand in mm <sup>2</sup>	1.5	2.5	1.5	2.5
Halogen-free in mm <sup>2</sup>	1.5	2.5	1.5	2.5
Fine strand/superfine strand in AWG (mm <sup>2</sup> )	24–16 (0.25–0.34)	20–14 (—)	24–16 (0.25–0.34)	20–14 (—)
Repeated connections minimum 100 x in mm <sup>2</sup>	0.25–1.5	0.5–2.5	0.25–1.5	0.5–2.5

## Dimensions

Approximate Dimensions in Inches (mm)

## IDC—Single Level Terminal/Ground Blocks

Catalog Number	Width	Length	Cover Length	Height for—	
				35 x 7.5 in	35 x 15 in
<b>XBQT15</b>	0.20 (5.2)	2.31 (58.8)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
<b>XBQT25</b>	0.24 (6.2)	2.46 (62.6)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
<b>XBQT15PE</b>	0.20 (5.2)	2.31 (58.8)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
<b>XBQT25PE</b>	0.24 (6.2)	2.46 (62.6)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)

## Notes

- ① For ordering information, see **Page V7-T8-105**.  
 ② For information on Printed Marking Tag Options, see **Page V7-T8-98**.  
 For additional accessories, see **Page V7-T8-90**.

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## Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

Multi-Conductor



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### Multi-Conductor

#### Product Description

The XBQT IDC terminal block has the fastest connection time in a compact design. The space-saving front connection design offers additional space for wiring between the cable ducts. The double bridge shaft can

accommodate individual chain bridging and step-down bridging from other terminal blocks. The XBQT ground blocks are the same shape as the feed-through terminal blocks with the same wide range of cross-sections

available. They easily snap onto the DIN rail to make a reliable mechanical and electrical contact that meets all requirements of IEC 60-947-7-2.

#### Product Selection

XBQT25D12

#### IDC—Multi-Conductor Terminal Blocks, Three-Wire



Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	EN 50 019 ① in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	16 AWG/1.5 mm <sup>2</sup>	800/17.5/24-16	550/16/24-16	600/10/24-16	Gray	50	XBQT15D12
					Blue	50	XBQT15D12BU
6.2 mm	14 AWG/2.5 mm <sup>2</sup>	800/24/20-14	—	600/15/20-14	Gray	50	XBQT25D12
					Blue	50	XBQT25D12BU

XBQT15D22PE

#### IDC—Multi-Conductor Terminal Blocks, Four-Wire



Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	EN 50 019 ① in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	16 AWG/1.5 mm <sup>2</sup>	800/17.5/24-16	550/16/24-16	600/10/24-16	Gray	50	XBQT15D22
					Blue	50	XBQT15D22BU

#### IDC—Multi-Conductor Terminal Blocks, Four-Wire Ground Blocks

Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	EN 50 019 ① in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	16 AWG/1.5 mm <sup>2</sup>	—/—/24-16	—/—/24-16	—/—/24-16	Green/Yellow	50	XBQT15D22PE

#### Note

① EU type—examination certificate number: KEMA 05ATEX2157 U (XBQT15), KEMA 05ATEX2160 U (XBQT25).

## XBQT15D12PE



## IDC—Multi-Conductor Terminal Blocks, Three-Wire Ground Blocks

Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	EN 50 019 <sup>①</sup> in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	16 AWG/1.5 mm <sup>2</sup>	—/—/24–16	—/—/24–16	—/—/24–16	Green/Yellow	50	XBQT15D12PE
6.2 mm	14 AWG/2.5 mm <sup>2</sup>	—/—/20–14	—	—/—/20–14	Green/Yellow	50	XBQT25D12PE

## Accessories

## IDC—Multi-Conductor Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBQT15D12 Catalog Number	XBQT25D12 Catalog Number	XBQT15D22 Catalog Number
End cover	Gray	—	10	XBACQT15D12	XBACQT25D12	XBACQT15D22
End cover segment	Gray	—	10	XBASQT15	XBASQT25	XBASQT15
Partition plate	—	—	10	XBATQTD12	XBATQTD12	XBATQTD22
Plug-in bridge—for cross connections in the terminal center	Red	2	10	XBAFBS25	XBAFBS26	XBAFBS25
		3	10	XBAFBS35	XBAFBS36	XBAFBS35
		5	10	XBAFBS55	XBAFBS56	XBAFBS55
		10	10	XBAFBS105	XBAFBS106	XBAFBS105
		50	10	XBAFBS505	XBAFBS506	XBAFBS505
Test adapter	—	—	10	XBATSPA14	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS- <sup>②</sup>	XBATSMPS- <sup>②</sup>	XBATSMPS- <sup>②</sup>
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS5
Blank marker strip center and external marking	White	—	10	XBMZBF5 <sup>③</sup>	XBMZBF6 <sup>③</sup>	XBMZBF5 <sup>③</sup>
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5 <sup>③</sup>	XBMZB6 <sup>③</sup>	XBMZB5 <sup>③</sup>

## IDC—Multi-Conductor Terminal/Ground Blocks

Description	Color	Number of Positions	Standard Pack	XBQT15D12PE Catalog Number	XBQT25D12PE Catalog Number	XBQT15D22PE Catalog Number
End cover	Gray	—	10	XBACQT15D12	XBACQT25D12	XBACQT15D22
End cover segment	Gray	—	10	XBASQT15	XBASQT25	XBASQT15
Partition plate	—	—	10	XBATQTD12	XBATQTD12	XBATQTD22
Plug-in bridge—for cross connections in the terminal center	Red	2	10	XBAFBS25	XBAFBS26	XBAFBS25
		3	10	XBAFBS35	XBAFBS36	XBAFBS35
		5	10	XBAFBS55	XBAFBS56	XBAFBS55
		10	10	XBAFBS105	XBAFBS106	XBAFBS105
		50	10	XBAFBS505	XBAFBS506	XBAFBS505
Test adapter	—	—	10	XBATSPA14	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS- <sup>②</sup>	XBATSMPS- <sup>②</sup>	XBATSMPS- <sup>②</sup>
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS5
Blank marker strip center and external marking	White	—	10	XBMZBF5 <sup>③</sup>	XBMZBF6 <sup>③</sup>	XBMZBF5 <sup>③</sup>
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5 <sup>③</sup>	XBMZB6 <sup>③</sup>	XBMZB5 <sup>③</sup>

## Notes

① EU type—examination certificate number: KEMA 05ATEX2157 U (XBQT15PE), KEMA 05ATEX2160 U (XBQT25PE).

② For ordering information, see [Page V7-T8-105](#).

③ For information on Printed Marking Tag Options, see [Page V7-T8-98](#).

For additional accessories, see [Page V7-T8-90](#).

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## Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

### Technical Data and Specifications

#### IDC—Multi-Conductor Terminal Blocks

Description	XBQT15D12	XBQT25D12	XBQT15D12PE	XBQT25D12PE	XBQT15D22	XBQT15D22PE
<b>Technical Data in Accordance with IEC</b>						
Maximum load current in A/cross-section in mm <sup>2</sup>	17.5/1.5	24/2.5	—	—	17.5/1.5	—
Rated surge voltage in kV/contamination class	8/3	8/3	8/3	8/3	8/3	8/3
Surge voltage category/insulating material group	III/I	III/I	III/I	III/I	III/I	III/I
<b>Connection Cross-Section</b>						
Core insulation	PVC/PE	PVC/PE	PVC/PE	PVC/PE	PVC/PE	PVC/PE
Single/multiple/fine strand in mm <sup>2</sup>	1.5	2.5	1.5	2.5	1.5	1.5
Halogen-free in mm <sup>2</sup>	1.5	2.5	1.5	2.5	1.5	1.5
Fine strand/superfine strand in AWG (mm <sup>2</sup> )	24–16 (0.25–0.34)	20–14 (—)	24–16 (0.25–0.34)	20–14 (—)	24–16 (0.25–0.34)	24–16 (0.25–0.34)
Repeated connections minimum 100 x in mm <sup>2</sup>	0.25–1.5	0.5–2.5	0.25–1.5	0.5–2.5	0.25–1.5	0.25–1.5

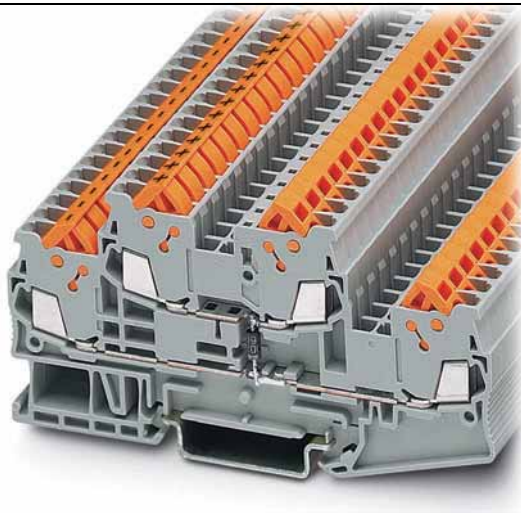
### Dimensions

Approximate Dimensions in Inches (mm)

#### IDC—Multi-Conductor Terminal Blocks

Catalog Number	Width	Length	Cover Length	Height for—	
				35 x 7.5 in	35 x 15 in
<b>XBQT15D12</b>	0.20 (5.2)	3.01 (76.4)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
<b>XBQT25D12</b>	0.24 (6.2)	3.25 (82.5)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)
<b>XBQT15D12PE</b>	0.20 (5.2)	3.01 (76.4)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
<b>XBQT25D12PE</b>	0.20 (5.2)	3.25 (82.5)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)
<b>XBQT15D22</b>	0.20 (5.2)	3.70 (94.0)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
<b>XBQT15D22PE</b>	0.20 (5.2)	3.70 (94.0)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)

Double Level



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## Double Level

### Product Description

The XBQTT IDC terminal block has the fastest connection time in a compact design. The space-saving front connection design offers additional space for wiring between the cable ducts. The double bridge

shaft, found in each level, can accommodate individual chain bridging and step-down bridging from other terminal blocks. The XBQTT ground blocks are the same shape as the feed-through terminal blocks with the same wide

range of cross-sections available. They easily snap onto the DIN rail to make a reliable mechanical and electrical contact that meets all requirements of IEC 60-947-7-2.

## Product Selection

XBQTT15



### IDC—Double Level Terminal Blocks

Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	EN 50 019 ① in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	16 AWG/1.5 mm <sup>2</sup>	800/17.5/24–16	420/15/24–16	600/10/24–16	Gray	50	<b>XBQTT15</b>
					Blue	50	<b>XBQTT15BU</b>

XBQTT15PE



### IDC—Double Level Ground Blocks

Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	EN 50 019 ① in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
6.2 mm	14 AWG/2.5 mm <sup>2</sup>	—/—/24–16	—/—/24–16	—/—/24–16	Green/Yellow	50	<b>XBQTT15PE</b>

**Note**

① EU type—examination certificate number: KEMA 05ATEX2157 U (XBQTT15), KEMA 05ATEX2160 U (XBQTT25).

## Accessories

## IDC—Double Level Terminal/Ground Blocks

Description	Color	Number of Positions	Standard Pack	XBQTT15 Catalog Number	XBQTT15PE Catalog Number
End cover	Gray	—	10	XBACQTT15	XBACQTT15
Partition plate	—	—	10	XBATQTT15	XBATQTT15
Plug-in bridge—for cross connections in the terminal center	Red	2	10	XBAFBS25	XBAFBS25
		3	10	XBAFBS35	XBAFBS35
		5	10	XBAFBS55	XBAFBS55
		10	10	XBAFBS105	XBAFBS105
		20	10	XBAFBS505	XBAFBS505
Test adapter	—	—	10	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS- <sup>①</sup>	XBATSMPS- <sup>①</sup>
Modular test plug	—	—	10	XBATSPS5	XBATSPS5
Blank marker strip	White	—	10	XBMZBF5 <sup>②</sup>	XBMZBF5 <sup>②</sup>

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## Technical Data and Specifications

## IDC—Double Level Terminal/Ground Blocks

Description	XBQTT15	XBQTT15PE
<b>Technical Data in Accordance with IEC</b>		
Maximum load current in A/cross-section in mm <sup>2</sup>	17.5/1.5	—
Rated surge voltage in kV/contamination class	6/3	6/3
Surge voltage category/insulating material group	III/I	III/I
<b>Connection Cross-Section</b>		
Core insulation	PVC/PE	PVC/PE
Single/multiple/fine strand in mm <sup>2</sup>	1.5	1.5
Halogen-free in mm <sup>2</sup>	1.5	1.5
Fine strand/superfine strand in AWG (mm <sup>2</sup> )	24–16 (0.25–0.34)	24–16 (0.25–0.34)
Repeated connections minimum 100 x in mm <sup>2</sup>	0.25–1.5	0.25–1.5

## Dimensions

Approximate Dimensions in Inches (mm)

## IDC—Double Level Terminal/Ground Blocks

Catalog Number	Width	Length	Cover Length	Height for—	
				35 x 7.5 in	35 x 15 in
XBQTT15	0.20 (5.2)	3.92 (99.6)	0.09 (2.2)	1.96 (49.9)	2.26 (57.4)
XBQTT15PE	0.20 (5.2)	3.92 (99.6)	0.09 (2.2)	1.96 (49.9)	2.26 (57.4)

## Notes

① For ordering information, see **Page V7-T8-105**.② For information on Printed Marking Tag Options, see **Page V7-T8-98**.For additional accessories, see **Page V7-T8-90**.



## Fuse Terminal Blocks



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## Fuse Terminal Blocks

### Product Description

The XBQT lever-type fuse terminal blocks perform two main functions. It is a carrier for a 5 x 20 mm cartridge fuse insert and can also allow for potential distribution via the double bridge shaft.

This means that two potentials can be carried separately alongside each other. Versions with light indication (AC and DC voltage) are available to signal a triggered fuse.

### Product Selection

#### XBQT25FB



#### IDC—Fuse Terminal Blocks

Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
<b>IDC Fuse Terminal Blocks</b>						
6.2 mm	14 AWG/2.5 mm <sup>2</sup>	①/6.3/20–14	300/15/20–14	Black	50	<b>XBQT25FBE</b>
<b>IDC Fuse Terminal Blocks with LED 12–30V, 1–2.5 mA</b>						
6.2 mm	14 AWG/2.5 mm <sup>2</sup>	①/6.3/20–14	300/15/20–14	Black	50	<b>XBQT25FBEL24</b>
<b>IDC Fuse Terminal Blocks with LED 30–60V, 0.8–2.0 mA</b>						
6.2 mm	14 AWG/2.5 mm <sup>2</sup>	①/6.3/20–14	300/15/20–14	Black	50	<b>XBQT25FBEL60</b>
<b>IDC Fuse Terminal Blocks with LED 110–250V, 0.5–2.5 mA</b>						
6.2 mm	14 AWG/2.5 mm <sup>2</sup>	①/6.3/20–14	300/15/20–14	Black	50	<b>XBQT25FBEL250</b>

#### Note

① As disconnect terminal block, 400V; as fuse terminal blocks 250V.

# 8.1

## Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

### Accessories

#### IDC—Fuse Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBQT25FBE	
				Catalog Number	
End cover	Gray	—	10	<b>XBACQT25D12</b>	
Partition plate	—	—	10	<b>XBATQTD12</b>	
Plug-in bridge—for cross connections in the terminal center	Red	2	10	<b>XBAFBS26</b>	
		3	10	<b>XBAFBS36</b>	
		5	10	<b>XBAFBS56</b>	
		10	10	<b>XBAFBS106</b>	
Test adapter	—	—	10	<b>XBATSPA14</b>	
2.3 mm diameter test plug	—	—	—	<b>XBATSMPS-</b>	<sup>①</sup>
Modular test plug	—	—	10	<b>XBATSPS5</b>	
Blank marker strip center and external marking	White	—	10	<b>XBMZBF6</b>	<sup>②</sup>
Blank marker strip lever labeling	White	—	10	<b>XBMZB5</b>	<sup>②</sup>
Blank marker strip center labeling (strip of 10)	White	—	10	<b>XBMZB6</b>	<sup>②</sup>

### Technical Data and Specifications

#### IDC—Fuse Terminal Blocks

Description	XBQT25FBE
<b>Technical Data in Accordance with IEC</b>	
Maximum load current in A/cross-section in mm <sup>2</sup>	6.3/2.5
Rated surge voltage in kV/contamination class	4/3
Surge voltage category/insulating material group	III/I
<b>Connection Cross-Section</b>	
Core insulation	PVC/PE
Single/multiple/fine strand in mm <sup>2</sup>	2.5
Halogen-free in mm <sup>2</sup>	2.5
Fine strand/superfine strand in AWG (mm <sup>2</sup> )	24–14 (—)
Repeated connections minimum 100 x in mm <sup>2</sup>	0.5–2.5

### Dimensions

Approximate Dimensions in Inches (mm)

#### IDC—Fuse Terminal Blocks

Catalog Number	Width	Length	Cover Length	Height for—	
				35 x 7.5 in	35 x 15 in
<b>XBQT25FBE</b>	0.24 (6.2)	3.25 (82.5)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)

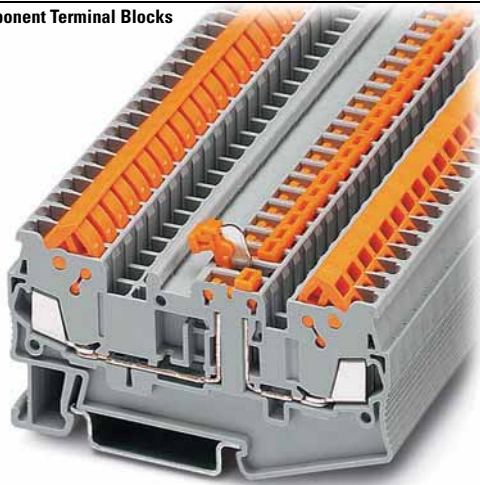
#### Notes

<sup>①</sup> For ordering information, see **Page V7-T8-105**.

<sup>②</sup> For information on Printed Marking Tag Options, see **Page V7-T8-98**.

For additional accessories, see **Page V7-T8-90**.

## Disconnect and Component Terminal Blocks



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## Disconnect and Component Terminal Blocks

### Product Description

The **XB** Series includes application specific terminal blocks like disconnect blocks. The knife disconnect terminal blocks (XBQT15MT) has a fitted knife. The XBQT15TG

can accommodate component plugs for resistors or capacitors and fuse plugs for 5 x 20 mm fuses with or without a light indicator for signaling a triggered fuse.

Both terminal blocks have three bridge shafts—two in the standard positions and one on the other side of the disconnect point.

### Product Selection

**XBQT15MT**  
Knife Disconnect



### IDC—Disconnect and Component Terminal Blocks

Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	UL-cUL Ratings in V/A/AWG	UL-cUL Ratings for Disconnect in V/A/AWG	UL-cUL Ratings for Disconnect with Test Sockets in V/A/AWG	Color	Standard Pack	Catalog Number
<b>Knife Disconnect</b>								
5.2 mm	16 AWG/1.5 mm <sup>2</sup>	400/16/24–16	600/10/24–16	—	—	Gray	50	<b>XBQT15MT</b>
<b>Component Disconnect</b>								
5.2 mm	16 AWG/1.5 mm <sup>2</sup>	400/16/24–16	600/10/24–16	—	—	Gray	50	<b>XBQT15TG</b>
6.2 mm	14 AWG/2.5 mm <sup>2</sup>	400/16/20–14	300/10/20–14	—	—	Gray	50	<b>XBQT25TG</b>
<b>Component Plug</b>								
6.2 mm	10 AWG/4 mm <sup>2</sup>	500/16/26–10	—	600/16/26–10	300/16/26–10	Gray	10	<b>XBPCO</b>
<b>Fuse Plug</b>								
6.2 mm	10 AWG/4 mm <sup>2</sup>	500/16/26–10	—	600/16/26–10	300/16/26–10	Black	10	<b>XBPFU</b>
<b>Fuse Plug with Light Indicator for 12–30V, 1–2.5 mA</b>								
6.2 mm	10 AWG/4 mm <sup>2</sup>	500/16/26–10	—	600/16/26–10	300/16/26–10	Black	10	<b>XBPFUL24</b>
<b>Fuse Plug with Light Indicator for 110–250V, 0.5–2.5 mA</b>								
6.2 mm	10 AWG/4 mm <sup>2</sup>	500/16/26–10	—	600/16/26–10	300/16/26–10	Black	10	<b>XBPFUL250</b>

# 8.1

## Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

### Accessories

#### IDC—Disconnect and Component Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBQT15MT Catalog Number	XBQT15TG Catalog Number	XBQT25TG Catalog Number
End cover	Gray	—	10	XBACQT15D12	XBACQT15D12	XBACQT25D12
End cover segment	Gray	—	10	XBASQT15	XBASQT15	XBASQT25
Partition plate	—	—	10	XBATQTD12	XBATQTD12	XBATQTD12
Plug-in bridge	Red	2	10	XBAFBS25	XBAFBS25	XBAFBS26
		3	10	XBAFBS35	XBAFBS35	XBAFBS36
		5	10	XBAFBS55	XBAFBS55	XBAFBS56
		10	10	XBAFBS105	XBAFBS105	XBAFBS106
Test adapter	—	—	10	XBATSPA14	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS_ <sup>①</sup>	XBATSMPS_ <sup>①</sup>	XBATSMPS_ <sup>①</sup>
Modular test plug	—	—	10	XBATSPS5	XBATSPS5	XBATSPS5
Blank marker strip center and external marking	White	—	10	XBMZBF5 <sup>②</sup>	XBMZBF5 <sup>②</sup>	XBMZBF6 <sup>②</sup>
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5 <sup>②</sup>	XBMZB5 <sup>②</sup>	XBMZB6 <sup>②</sup>

### Technical Data and Specifications

#### IDC—Disconnect and Component Terminal Blocks

Description	XBQT15MT	XBQT15TG	XBQT25TG
<b>Technical Data in Accordance with IEC</b>			
Maximum load current in A/cross-section in mm <sup>2</sup>	16/1.5	16/1.5	16/2.5
Rated surge voltage in kV/contamination class	6/3	6/3	6/3
Surge voltage category/insulating material group	III/I	III/I	III/I
<b>Connection Cross-Section</b>			
Core insulation	PVC/PE	PVC/PE	PVC/PE
Single/multiple/fine strand in mm <sup>2</sup>	1.5	1.5	2.5
Halogen-free in mm <sup>2</sup>	1.5	1.5	2.5
Fine strand/superfine strand in AWG (mm <sup>2</sup> )	24–16 (0.25–0.34)	24–16 (0.25–0.34)	20–14 (—)
Repeated connections minimum 100 x in mm <sup>2</sup>	0.25–1.5	0.25–1.5	0.5–2.5

### Dimensions

Approximate Dimensions in Inches (mm)

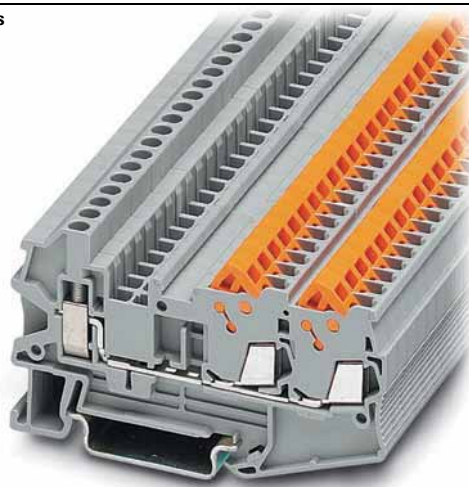
#### IDC—Disconnect and Component Terminal Blocks

Catalog Number	Width	Length	Cover Length	Height for—	
				35 x 7.5 in	35 x 15 in
XBQT15MT	0.20 (5.2)	3.01 (76.4)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
XBQT15TG	0.20 (5.2)	3.01 (76.4)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
XBQT25TG	0.24 (6.2)	3.25 (82.5)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)

#### Notes

- ① For ordering information, see **Page V7-T8-105**.
  - ② For information on Printed Marking Tag Options, see **Page V7-T8-98**.
- For additional accessories, see **Page V7-T8-90**.

## Hybrid Terminal Blocks



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## Hybrid Terminal Blocks

### Product Description

The XBQT hybrid terminal blocks offer the best of both worlds. One side offers the time-saving advantage of our insulation displacement

connection technology, while the other side offers a universal screw connection. Use the IDC side on the internal (factory) control

cabinet side and the screw connection on the end customer (field) side. Ground terminal blocks of the same shape are also available

### Product Selection

#### XBQU25



#### IDC—Hybrid Terminal Blocks, Single Level

Terminal Width	Maximum Wire Size	IEC Screw Connection in V/A/AWG	IEC IDC Connection in V/A/AWG	UL-cUL Screw Connection in V/A/AWG	UL-cUL IDC Connection in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm <sup>2</sup>	800/17.5/26–12	800/17.5/24–16	600/10/26–12	600/10/24–16	Gray	50	<b>XBQU15</b>
6.2 mm	10 AWG/4 mm <sup>2</sup>	800/24/26–10	800/24/20–14	600/15/26–10	600/15/20–14	Gray	50	<b>XBQU25</b>

#### XBQU15D12



#### IDC—Hybrid Terminal Blocks, Three-Wire

Terminal Width	Maximum Wire Size	IEC Screw Connection in V/A/AWG	IEC IDC Connection in V/A/AWG	UL-cUL Screw Connection in V/A/AWG	UL-cUL IDC Connection in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm <sup>2</sup>	800/17.5/26–12	800/17.5/24–16	800/10/26–12	800/10/24–16	Gray	50	<b>XBQU15D12</b>
6.2 mm	10 AWG/4 mm <sup>2</sup>	800/24/26–10	800/24/20–14	600/15/26–10	600/15/20–14	Gray	50	<b>XBQU25D12</b>

#### XBQU25PE



#### IDC—Hybrid Terminal/Ground Blocks

Terminal Width	Maximum Wire Size	IEC Screw Connection in V/A/AWG	IEC IDC Connection in V/A/AWG	UL-cUL Screw Connection in V/A/AWG	UL-cUL IDC Connection in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm <sup>2</sup>	—/—/26–12	—/—/24–16	—/—/26–12	—/—/24–16	Gray	50	<b>XBQU15PE</b>
6.2 mm	10 AWG/4 mm <sup>2</sup>	—/—/26–10	—/—/20–14	—/—/26–10	—/—/20–14	Gray	50	<b>XBQU25PE</b>

# 8.1

## Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

### Accessories

#### IDC—Hybrid Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBQU15 Catalog Number	XBQU25 Catalog Number	XBQU15D12 Catalog Number	XBQU25D12 Catalog Number
End cover	Gray	—	10	XBACQU15	XBACQU25	XBACQU15D12	XBACQU25D12
End segment	Gray	—	10	—	—	XBASQT15	XBASQT25
Partition plate	—	—	10	XBATQT25	XBATQT25	XBATQTD12	XBATQTD12
Plug-in bridge—for cross connections in the bridge shaft	Red	2	10	XBAFBS25	XBAFBS26	XBAFBS25	XBAFBS26
		3	10	XBAFBS35	XBAFBS36	XBAFBS35	XBAFBS36
		5	10	XBAFBS55	XBAFBS56	XBAFBS55	XBAFBS56
		10	10	XBAFBS105	XBAFBS106	XBAFBS105	XBAFBS106
		50	10	XBAFBS505	XBAFBS506	XBAFBS505	XBAFBS506
Test adapter	—	—	10	XBATSPAI4	XBATSPAI4	XBATSPAI4	XBATSPAI4
2.3 mm diameter test plug	—	—	—	XBATSMPS- <sup>①</sup>	XBATSMPS- <sup>①</sup>	XBATSMPS- <sup>①</sup>	XBATSMPS- <sup>①</sup>
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS5	XBATSPS6
Blank marker strip center and external marking	White	—	10	XBMZBF5 <sup>②</sup>	XBMZBF6 <sup>②</sup>	XBMZBF5 <sup>②</sup>	XBMZBF6 <sup>②</sup>
Blank marker strip center labeling (strip of 10)	—	—	—	XBMZB5 <sup>②</sup>	XBMZB6 <sup>②</sup>	XBMZB5 <sup>②</sup>	XBMZB6 <sup>②</sup>

#### IDC—Hybrid Terminal/Ground Blocks

Description	Color	Number of Positions	Standard Pack	XBQU15PE Catalog Number	XBQU25PE Catalog Number
End cover	Gray	—	10	XBACQU15	XBACQU25
Partition plate	—	—	10	XBATQT25	XBATQT25
Plug-in bridge—for cross connections in the bridge shaft	Red	2	10	XBAFBS25	XBAFBS26
		3	10	XBAFBS35	XBAFBS36
		5	10	XBAFBS55	XBAFBS56
		10	10	XBAFBS105	XBAFBS106
		50	10	XBAFBS505	XBAFBS506
Test adapter	—	—	10	XBATSPAI4	XBATSPAI4
2.3 mm diameter test plug	—	—	—	XBATSMPS- <sup>①</sup>	XBATSMPS- <sup>①</sup>
Modular test plug	—	—	10	XBATSPS5	XBATSPS6
Blank marker strip center and external marking	White	—	10	XBMZBF5 <sup>②</sup>	XBMZBF6 <sup>②</sup>
Blank marker strip center labeling (strip of 10)	—	—	—	XBMZB5 <sup>②</sup>	XBMZB6 <sup>②</sup>

#### Notes

<sup>①</sup> For ordering information, see **Page V7-T8-105**.

<sup>②</sup> For information on Printed Marking Tag Options, see **Page V7-T8-98**.

For additional accessories, see **Page V7-T8-90**.

## Technical Data and Specifications

### Screw Connection Single Level—Through-Feed

Description	XBQU15	XBQU25	XBQU15PE	XBQU25PE	XBQU15D12	XBQU25D12
<b>Technical Data in Accordance with IEC</b>						
Maximum load current in A/cross-section in mm <sup>2</sup>	17.5/1.5	24/2.5	—	—	17.5/1.5	24/2.5
Rated surge voltage in kV/contamination class	8/3	8/3	8/3	8/3	8/3	8/3
Surge voltage category/insulating material group	III/I	III/I	III/I	III/I	III/I	III/I
<b>Connection Cross-Section</b>						
Core insulation	PVC/PE	PVC/PE	PVC/PE	PVC/PE	PVC/PE	PVC/PE
Single/multiple/fine strand in mm <sup>2</sup>	1.5	2.5	1.5	2.5	1.5	2.5
Halogen-free in mm <sup>2</sup>	1.5	2.5	1.5	2.5	1.5	2.5
Fine strand/superfine strand in AWG (mm <sup>2</sup> )	24–16 (0.25–0.34)	20–14 (—)	24–16 (0.25–0.34)	20–14 (—)	24–16 (0.25–0.34)	20–14 (—)
Repeated connections minimum 100 x in mm <sup>2</sup>	0.25–1.5	0.5–2.5	0.25–1.5	0.5–2.5	0.25–1.5	0.5–2.5
<b>Connection Capacity—Screw Connection</b>						
Stranded with ferrule/with ferrule and plastic sleeve in mm <sup>2</sup>	0.25–2.5/0.25–2.5	0.25–4/0.25–4	0.25–2.5/0.25–2.5	0.25–4/0.25–4	0.25–2.5/0.25–2.5	0.25–4/0.25–4
<b>Multi-Conductor Connection</b> (same cross-section)						
Solid/stranded in mm <sup>2</sup>	0.14–1.5/0.14–1.5	0.14–1.5/0.14–1.5	0.14–1.5/0.14–1.5	0.14–1.5/0.14–1.5	0.14–1.5/0.14–1.5	0.14–1.5/0.14–1.5
Stranded with ferrules without plastic sleeve in mm <sup>2</sup>	0.25–1.5	0.25–1.5	0.25–1.5	0.25–1.5	0.25–1.5	0.25–1.5
Stranded with twin ferrule with plastic sleeve in mm <sup>2</sup>	0.5–1.5	0.5–2.5	0.5–1.5	0.5–2.5	0.5–1.5	0.5–2.5
Stripping length in inches (mm)	0.35 (9)	0.35 (9)	0.35 (9)	0.35 (9)	0.35 (9)	0.35 (9)
Thread	M3	M3	M3	M3	M3	M3
Torque in in-lb (Nm)	5.3–7.1 (0.6–0.8)	5.3–7.1 (0.6–0.8)	5.3–7.1 (0.6–0.8)	5.3–7.1 (0.6–0.8)	5.3–7.1 (0.6–0.8)	5.3–7.1 (0.6–0.8)

## Dimensions

Approximate Dimensions in Inches (mm)

### Screw Connection Single Level—Through-Feed

Catalog Number	Width	Length	Cover Width	Height for—	
				35 x 7.5 in	35 x 15 in
XBQU15	0.20 (5.2)	2.31 (58.8)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)
XBQU25	0.24 (6.2)	2.46 (62.6)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)
XBQU15PE	0.20 (5.2)	2.31 (58.8)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)
XBQU25PE	0.24 (6.2)	2.46 (62.6)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)
XBQU15D12	0.20 (5.2)	3.01 (76.4)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)
XBQU25D12	0.24 (6.2)	3.25 (82.5)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)