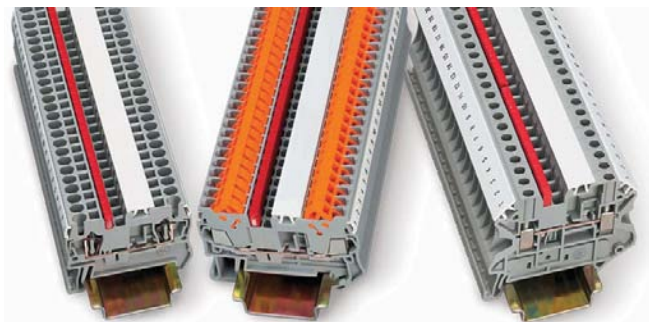


IEC—XB Series



IEC—XB Series Overview

Product Description

The **XB** Series from Eaton offers a complete terminal block system with a universal range of accessories. Marking, bridging and testing accessories are standardized across the different termination technologies—reducing inventory and logistics costs. The modular terminal block design allows for use of the different terminal block types together or individually, providing the highest degree of flexibility.

Application Description

The metal portion of the **XB** Series terminal blocks are made from high-grade, strain-crack and corrosion-proof copper alloys. They won't experience any electrolytic corrosion or rusting, even when moisture is present. The metal surfaces are protected with a lead-free, galvanic nickel or tin plating. The good electrical conductivity permits only a low temperature rise. The Polyamide 6.6 housings allow for operating temperatures up to 257°F (125°C) and are certified for inflammability Class V0 in accordance with UL 94.

Features

Global acceptance—The **XB** Series terminal blocks are designed to worldwide standards and meet the latest international requirements.

Flexible Plug-in bridge system—All three technologies (screw, spring and IDC) use the same bridge system, allowing for individual potential distribution and quickly bridged connections among the same terminal block type or across different types. The **XB** Series terminal blocks have two bridge shafts arranged in one line, making flexible chain bridging and skip bridging between non-adjacent terminal blocks possible. Plug-in bridges are available from 2 to 50 positions. Reducing bridges are also available to connect a larger terminal block to a smaller one.

Contents

Description

	<i>Page</i>
IEC— XB Series	
Screw Connection Terminal Blocks	V7-T42-4
Spring Cage Terminal Blocks	V7-T42-31
Pluggable Spring Cage Connection Terminal Blocks	V7-T42-58
IDC Terminal Blocks	V7-T42-67
Miniature Circuit Breakers	V7-T42-82
XB Series Accessories	V7-T42-90

Large surface area for marking—All **XB** Series terminal blocks have generously sized surface areas for labeling. This allows for clearly labeled wiring that results in reduced startup time and simplifies activities such as testing and maintenance. There are provisions for marking individual terminal blocks and end stops, strips of terminal blocks, and large groups of terminal blocks.

Standardized testing system—All test plugs make contact in one of the easily accessible bridge shafts. A 2.3 mm diameter test plug is available for individual measuring wires. Modular test plugs are also available for more advanced testing.

Standards and Certifications

- UL® and cUL® recognized—File No. E67464
- CE approved
- LVD ①
 - EN 60947-7-1
 - EN 60947-7-2
 - EN 60998-2-3
 - EN 60352-4/A1
- ATEX approval (Ex e applications)



Note

- ① Not all standards apply to all terminal blocks. Contact Eaton for details.

Technical Data and Specifications

IEC—XB Series

Description	Specification
Insulation material	Polyamide 6.6
Dielectric strength	600 kV/cm
Creep resistance	600 CTI
Internal insulation resistance	10 ¹² ohms cm
Surface resistance	10 ¹⁰ ohms
Flammability rating	UL 94 V0
Continuous operating temperature	–40 to 257°F (–40 to 125°C)

Modular Terminal Blocks for Potentially Explosive Environments

The standard modular terminal blocks from Eaton are approved for potentially explosive environments. In addition to the usual approvals, they also have been approved by a testing center authorized by the EU. No extra approval is required in Intrinsic Safety type applications.

Modular terminal blocks on www.eaton.com fulfill the requirements for “Increased Safety” protection type when installation instructions are followed, and have a type examination certificate in accordance with the Ex directive Ex-RL 94/9/EU.

These test certificates are recognized in all the EU member states and beyond.

The modular terminal blocks are approved for fitting in Zone 1, the Ex environment, as well as Zone 2. Zone 1 fitting is conditional upon terminal blocks being used in connection boxes approved for EEx e type protection and having the equivalent of at least IP54 protection.

The EEx approved modular terminal blocks can be divided into the following groups:

- Screw connection terminal blocks
- Spring-cage connection terminal blocks
- Insulation Displacement Connection terminal blocks
- Mini terminal blocks
- Terminal blocks for specialized applications

More detailed information on modular terminal blocks in the EEx e area is available on the Internet at www.eaton.com for downloading.

Here you will find the following:

- Technical data in accordance with EN 50 019
- Approved accessories
- Important installation instructions and mounting diagrams
- EU type examination certificates
- General information on Ex protection

Identifications

Explosion protected electrical equipment must be marked so that the safety characteristics are identifiable. The identification of electrical equipment is described in the harmonized standard EN 50014, as shown in the following example:

EN 50014 Standard Example

Description	Identification
Manufacturer or trademark	Eaton
Type designation	XBUT25
Abbreviation of explosion protection	EEx e II
Protection type increased safety “e”	e
Equipment group	II
Mark of the testing body	KEMA
Approval number	05ATEX2158 U

Identification in Accordance with ATEX-RL

Electrical equipment that is certified in accordance with the ATEX 100a guideline also receives identification describing the site for use.

ATEX Guideline Example

Description	Identification
Manufacturing data	02.01.2004
Address of the manufacturer	Duncan, SC
Number of the appointed dept.	344
Common marking	Ex symbol
Equipment group	II
Category	2
Use in gas and/or dust atmospheres	G D

Screw Connection



Contents

<i>Description</i>	<i>Page</i>
Screw Connection Terminal Blocks	
Single Level—Through-Feed	V7-T42-5
Single Level—Ground Blocks	V7-T42-10
Multi-Conductor Terminal Blocks	V7-T42-12
Multi-Conductor Ground Blocks	V7-T42-14
Double Level	V7-T42-16
Triple Level Sensor/Actuator	V7-T42-18
Fuse Terminal Blocks	V7-T42-21
Disconnect and Component Terminal Blocks	V7-T42-24
High Current Blocks	V7-T42-27
Mini Screw Connection	V7-T42-29



Screw Connection Terminal Blocks Overview

Product Description

The XBUT Series uses a screw connection system that is accepted worldwide and is suitable in most applications. The maintenance-free connection provides the reliability you expect from Eaton.

Application Description

Designed for applications with high demands, the XBUT Series screw terminal block has a maintenance-free wire connection. re-tightening of the terminal screws is not necessary to ensure proper operation. The screw locking technique prevents the screws from backing out. Copper wires can be clamped without pre-treatment or ferrules can be used for splicing protection. Multiple conductors can be connected in the same clamping mechanism, saving space.

Features

- Maintenance-free connections
- Global acceptance
- Multi-conductor connections
- Flexible Plug-in bridge system
- Large surface area for marking
- Standardized testing system
- Metal parts made of tin-plated copper alloy

Standards and Certifications

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



Note

① Not all standards apply to all terminal blocks. Contact Eaton for details.

Single Level—Through-Feed



Single Level—Through-Feed

Product Description

The XBUT terminal blocks feature a compact design and maintenance-free screw connection. There is a double bridge shaft providing maximum flexibility.

The double bridge shaft can accommodate individual chain bridging and step-down bridging from other terminal blocks. There are numerous options for accessories,

Contents

Description

	<i>Page</i>
Single Level—Through-Feed	
Product Selection	V7-T42-6
Accessories	V7-T42-7
Technical Data and Specifications	V7-T42-9
Dimensions	V7-T42-9
Single Level—Ground Blocks	V7-T42-10
Multi-Conductor Terminal Blocks	V7-T42-12
Multi-Conductor Ground Blocks	V7-T42-14
Double Level.	V7-T42-16
Triple Level Sensor/Actuator	V7-T42-18
Fuse Terminal Blocks	V7-T42-21
Disconnect and Component Terminal Blocks	V7-T42-24
High Current Blocks	V7-T42-27
Mini Screw Connection	V7-T42-29

including those for testing and marking. Terminal blocks are available for wire cross-sections ranging from 12 AWG (2.5 mm²) to 2/0 AWG (150 mm²).

42.1

Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

Product Selection

XBUT4



Screw Connection Single Level—Through-Feed

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 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	12 AWG/2.5 mm ²	800/32/26–12	750/22/28/26–12	600/20/26–12	Gray	50	XBUT25
					Blue	50	XBUT25BU
6.2 mm	10 AWG/4 mm ²	800/41/26–10	750/30/38/26–10	600/30/26–10	Gray	50	XBUT4
					Blue	50	XBUT4BU
					Orange	50	XBUT4OR
					Yellow	50	XBUT4YE
					Red	50	XBUT4RD
					White	50	XBUT4WH
					Black	50	XBUT4BK
8.2 mm	8 AWG/6 mm ²	800/57/24–8	750/40/50/24–8	600/50/24–8	Gray	50	XBUT6
					Blue	50	XBUT6BU
10.2 mm	6 AWG/10 mm ²	1000/76/20–6	750/54/69/20–6	600/65/20–6	Gray	50	XBUT10
					Blue	50	XBUT10BU
					Orange	50	XBUT10OR
					Yellow	50	XBUT10YE
					Red	50	XBUT10RD
12 mm	4 AWG/16 mm ²	1000/101/17–4	—	600/85/16–4	Gray	50	XBUT16
					Blue	50	XBUT16BU
16 mm	0 AWG/35 mm ²	1000/150/15–0	—	600/150/14–1/0	Gray	50	XBUT35
					Blue	50	XBUT35BU

Note

① EU type—examination certificate number: KEMA 05ATEX2158 U.

Accessories

Screw Connection Single Level—Through-Feed

Description	Color	Number of Positions	Standard Pack	XBUT25 Catalog Number	XBUT4 Catalog Number	XBUT6 Catalog Number	XBUT10 Catalog Number	XBUT16 Catalog Number	XBUT35 Catalog Number
End cover	Gray	—	10	XBACUT10	XBACUT10	XBACUT10	XBACUT10	XBACUT16	①
Partition plate	Gray	—	10	XBATUT10	XBATUT10	XBATUT10	XBATUT10	—	—
Plug-in bridge— for cross connections in the bridge shaft	Red	2	10	XBAFBS25	XBAFBS26	XBAFBS28	XBAFBS210	XBAFBS212	XBAFBS216
		3	10	XBAFBS35	XBAFBS36	—	—	—	—
		5	10	XBAFBS55	XBAFBS56	—	—	—	—
		10	10	XBAFBS105	XBAFBS106	—	—	—	—
		50	10	XBAFBS505	XBAFBS506	—	—	—	—
Test adapter	—	—	10	XBATSPA14	XBATSPA14	XBATSPA14	—	—	—
2.3 mm diameter test plug	—	—	—	XBATSMPS- ①	XBATSMPS- ①	—	—	—	—
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS8	—	—	—
Blank marker strip (strip of 10)	White	—	10	XBMZB5 ②	XBMZB6 ②	XBMZB8 ②	XBMZB10 ②	XBMZB12 ②	XBMZB15 ②

Notes① For ordering information, see **Page V7-T42-105**.② For information on Printed Marking Tag Options, see **Page V7-T42-98**.For additional accessories, see **Page V7-T42-90**.

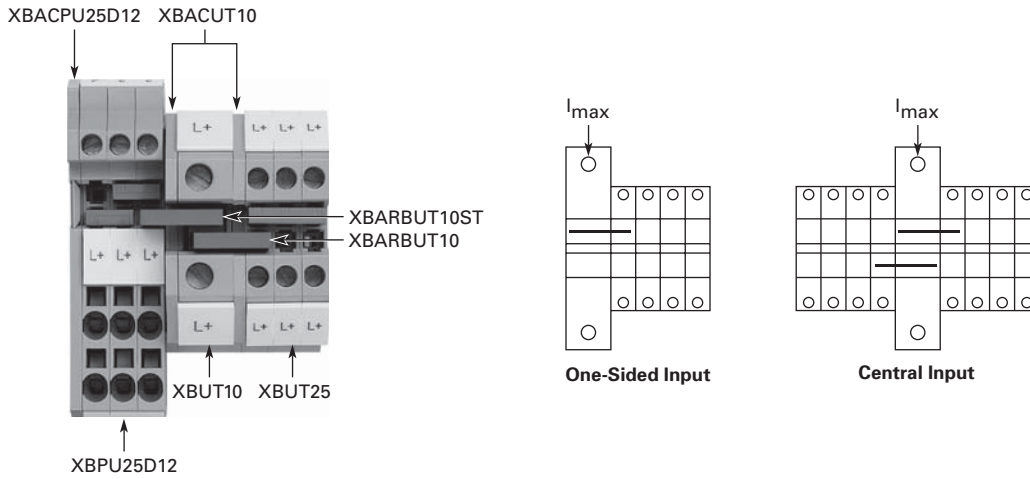
42.1

Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

42

XBUT with Reducing Bridge



Step-Down Bridge with Standard Feed-Through Terminal Blocks

Input Terminal Blocks	Cross-Section	Pick-Off Terminal Blocks	Cross-Section AWG (mm ²)	One-Sided Input I _{max}	Central Input I _{max}	Bridge Catalog Number
XBUT10	6 AWG (10 mm ²)	XBUT25	12 (2.5)	40	65	XBARBUT10
		XBUT4	10 (4)	45	65	XBARBUT10
		XBPT25	12 (2.5)	40	65	XBARBUT10ST
		XBPT4	10 (4)	45	65	XBARBUT10ST
		XBQT15	14 (1.5)	35	65	XBARBUT10ST
		XBQT25	12 (2.5)	40	65	XBARBUT10ST
XBUT16	4 AWG (16 mm ²)	XBUT25	12 (2.5)	40	80	XBARBUT16
		XBUT4	10 (4)	45	90	XBARBUT16
		XBPT25	12 (2.5)	40	80	XBARBUT16ST
		XBPT4	10 (4)	45	90	XBARBUT16ST
		XBQT15	14 (1.5)	35	70	XBARBUT16ST
		XBQT25	12 (2.5)	40	80	XBARBUT16ST

Technical Data and Specifications

Screw Connection Single Level—Through-Feed

Description	XBUT25	XBUT4	XBUT6	XBUT10	XBUT16	XBUT35
Technical Data in Accordance with IEC						
Maximum load current in A/cross-section in mm ²	32/4	41/6	57/10	76/16	101/25	150/50
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/II	III/I	III/I	III/I	III/I	III/I
Connection Capacity						
Stranded with ferrule/with ferrule and plastic sleeve in mm ²	0.25–2.5/0.25–2.5	0.25–4/0.25–4	0.25–6/0.25–6	0.5–10/0.5–10	1.0–16/1.0–16	1.5–35/1.5–35
Multi-Conductor Connection (same cross-section)						
Solid/stranded in mm ²	0.14–1.5/0.14–1.5	0.14–1.5/0.14–1.5	0.2–2.5/0.2–2.5	0.5–4/0.5–4	1.0–6/1.0–4	1.5–16/1.5–10
Stranded with ferrules without plastic sleeve in mm ²	0.25–1.5	0.25–1.5	0.25–1.5	0.5–2.5	1.0–4	1.5–10
Stranded with twin ferrule with plastic sleeve in mm ²	0.5–1.5	0.5–2.5	0.5–4	0.5–6	0.75–10	1.5–10
Stripping length in inches (mm)	0.35 (9)	0.35 (9)	0.39 (10)	0.39 (10)	0.39 (10)	0.63 (16)
Thread	M3	M3	M4	M4	M5	M6
Torque in in-lb (Nm)	5.3–7.1 (0.6–0.8)	5.3–7.1 (0.6–0.8)	13.3–15.9 (1.5–1.8)	13.3–15.9 (1.5–1.8)	22.1–26.6 (2.5–3)	28.3–32.7 (3.2–3.7)

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
XBUT25	0.20 (5.2)	1.85 (46.9)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT4	0.24 (6.2)	1.85 (46.9)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT6	0.32 (8.2)	1.85 (46.9)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT10	0.40 (10.2)	1.85 (46.9)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT16	0.47 (12.0)	2.08 (52.8)	0.09 (2.2)	2.16 (54.8)	2.45 (62.3)
XBUT35	0.63 (16.0)	2.37 (60.2)	—	2.59 (65.7)	2.88 (73.2)

Notes

- ① XBUT35 has an enclosed design. The use of an end cover is not required.
- ② For information on Printed Marking Tag Options, see **Page V7-T42-98**.

42.1

Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

Single Level—Ground Blocks



Contents

Description

Description	Page
Single Level—Through-Feed	V7-T42-5
Single Level—Ground Blocks	
Accessories	V7-T42-11
Technical Data and Specifications	V7-T42-11
Dimensions	V7-T42-11
Multi-Conductor Terminal Blocks	V7-T42-12
Multi-Conductor Ground Blocks	V7-T42-14
Double Level	V7-T42-16
Triple Level Sensor/Actuator	V7-T42-18
Fuse Terminal Blocks	V7-T42-21
Disconnect and Component Terminal Blocks	V7-T42-24
High Current Blocks	V7-T42-27
Mini Screw Connection	V7-T42-29

42

Single Level—Ground Blocks

Product Description

The ground terminal blocks have the same shape and pitch as the standard terminal block, in a green-yellow housing. 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

XBUT6PE



Screw Connection Single Level—Ground Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 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	12 AWG/2.5 mm ²	—/—/26-12	—/—/26-12	—/—/26-12	Green/Yellow	50	XBUT25PE
6.2 mm	10 AWG/4 mm ²	—/—/26-10	—/—/26-10	—/—/26-10	Green/Yellow	50	XBUT4PE
8.2 mm	8 AWG/6 mm ²	—/—/24-8	—/—/24-8	—/—/24-8	Green/Yellow	50	XBUT6PE
10.2 mm	6 AWG/10 mm ²	—/76/20-6	—/54/69/20-6	—/—/20-6	Green/Yellow	50	XBUT10PE
12 mm	4 AWG/16 mm ²	—/101/15-4	—	—/—/16-4	Green/Yellow	50	XBUT16PE
16 mm	2 AWG/35 mm ²	—/125/15-2	—	—/—/14-1/0	Green/Yellow	50	XBUT35PE

Note

① EU type—examination certificate number: KEMA 05ATEX2158 U.

Accessories

Screw Connection Single Level—Ground Blocks

Description	Color	Number of Positions	Standard Pack	XBUT25PE Catalog Number	XBUT4PE Catalog Number	XBUT6PE Catalog Number	XBUT10PE Catalog Number	XBUT16PE Catalog Number	XBUT35PE Catalog Number
End cover	Gray	—	10	XBACUT10	XBACUT10	XBACUT10	XBACUT10	XBACUT16	③
Partition plate	—	—	10	XBATUT10	XBATUT10	XBATUT10	XBATUT10	—	—
Plug-in bridge— for cross connections in the bridge shaft	Red	2	10	XBAFBS25	XBAFBS26	XBAFBS28	XBAFBS210	XBAFBS212	XBAFBS212
		3	10	XBAFBS35	XBAFBS36	—	—	—	—
		5	10	XBAFBS55	XBAFBS56	—	—	—	—
		10	10	XBAFBS105	XBAFBS106	—	—	—	—
		50	10	XBAFBS505	XBAFBS506	—	—	—	—
Test adapter	—	—	10	XBATSPAI4	XBATSPAI4	XBATSPAI4	—	—	—
2.3 mm diameter test plug	—	—	—	XBATSMPS_ ①	XBATSMPS_ ①	—	—	—	—
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS8	—	—	—
Blank marker strip (strip of 10)	White	—	10	XBMZB5 ②	XBMZB6 ②	XBMZB8 ②	XBMZB10 ②	XBMZB12 ②	XBMZB15 ②

Technical Data and Specifications

Screw Connection Single Level—Ground Blocks

Description	XBUT25PE	XBUT4PE	XBUT6PE	XBUT10PE	XBUT16PE	XBUT35PE
Technical Data in Accordance with IEC						
Maximum load current in A/cross-section in mm ²	—	—	—	76/16	101/25	125/50
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/II	III/I	III/I	III/I	III/I	III/I
Connection Capacity						
Stranded with ferrule/with ferrule and plastic sleeve in mm ²	0.25–2.5/0.25–2.5	0.25–4/0.25–4	0.25–6/0.25–6	0.5–10/0.5–10	1.0–16/1.0–16	1.5–35/1.5–35
Multi-Conductor Connection (same cross-section)						
Solid/stranded in mm ²	0.14–1.5/0.14–1.5	0.14–1.5/0.14–1.5	0.2–2.5/0.2–2.5	0.5–4/0.5–4	1.0–6/1.0–4	1.5–16/1.5–10
Stranded with ferrules without plastic sleeve in mm ²	0.25–1.5	0.25–1.5	0.25–1.5	0.5–2.5	1.0–4	1.5–10
Stranded with twin ferrule with plastic sleeve in mm ²	0.5–1.5	0.5–2.5	0.5–4	0.5–6	0.75–10	1.5–10
Stripping length in inches (mm)	0.35 (9)	0.35 (9)	0.39 (10)	0.39 (10)	0.39 (10)	0.63 (16)
Thread	M3	M3	M4	M4	M5	M6
Torque in in-lb (Nm)	5.3–7.1 (0.6–0.8)	5.3–7.1 (0.6–0.8)	13.3–15.9 (1.5–1.8)	13.3–15.9 (1.5–1.8)	22.1–26.6 (2.5–3)	28.3–32.7 (3.2–3.7)

Dimensions

Approximate Dimensions in Inches (mm)

Screw Connection Single Level—Ground Blocks

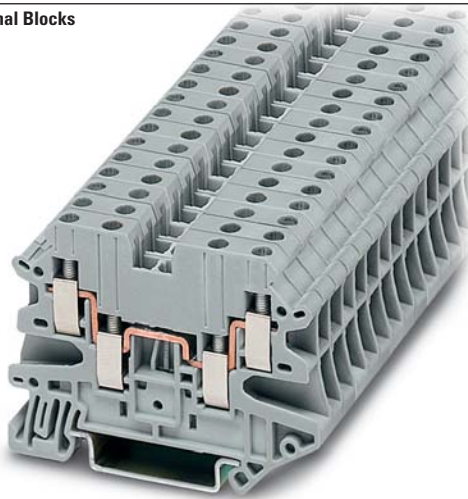
Catalog Number	Width	Length	Cover Width	Height for—	
				35 x 7.5 in	35 x 15 in
XBUT25PE	0.20 (5.2)	1.85 (46.9)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT4PE	0.24 (6.2)	1.85 (46.9)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT6PE	0.32 (8.2)	1.85 (46.9)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT10PE	0.40 (10.2)	1.85 (46.9)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT16PE	0.47 (12.0)	2.08 (52.8)	0.09 (2.2)	2.16 (54.8)	2.45 (62.3)
XBUT35PE	0.63 (16.0)	2.37 (60.2)	—	2.59 (65.7)	2.88 (73.2)

Notes

- ① For ordering information, see **Page V7-T42-105**.
- ② For information on Printed Marking Tag Options, see **Page V7-T42-98**.
- ③ XBUT35PE has an enclosed design. The use of an end cover is not required.

For additional accessories, see **Page V7-T42-90**.

Multi-Conductor Terminal Blocks



42

Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	V7-T42-5
Single Level—Ground Blocks	V7-T42-10
Multi-Conductor Terminal Blocks	
Accessories	V7-T42-13
Technical Data and Specifications	V7-T42-13
Dimensions	V7-T42-13
Multi-Conductor Ground Blocks	V7-T42-14
Double Level	V7-T42-16
Triple Level Sensor/Actuator	V7-T42-18
Fuse Terminal Blocks	V7-T42-21
Disconnect and Component Terminal Blocks	V7-T42-24
High Current Blocks	V7-T42-27
Mini Screw Connection	V7-T42-29

Multi-Conductor Terminal Blocks

Product Description

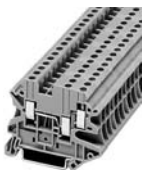
The multi-conductor terminal blocks offer a space-saving alternative to standard feed-through terminal blocks allowing for high density wiring. Often, three

connections have to be led to one terminal block. The XBUT...D12 terminal block accomplishes this without any additional terminal blocks or bridging required.

The XBUT...D22 terminal blocks allow four wires to be connected to one potential—and can therefore be used as compact power distributors.

Product Selection

XBUT25D12



Screw Connection Multi-Conductor Terminal Blocks, Three-Wire

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm ²	500/28/26-12	150/20/26-12	Gray	50	XBUT25D12
				Blue	50	XBUT25D12BU
6.2 mm	10 AWG/4 mm ²	500/39/26-10	150/30/26-10	Gray	50	XBUT4D12
				Blue	50	XBUT4D12BU

XBUT4D22



Screw Connection Multi-Conductor Terminal Blocks, Four-Wire

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm ²	500/28/26-12	150/20/26-12	Gray	50	XBUT25D22
				Blue	50	XBUT25D22BU
6.2 mm	10 AWG/4 mm ²	500/39/26-10	150/30/26-10	Gray	50	XBUT4D22
				Blue	50	XBUT4D22BU

Accessories

Screw Connection Multi-Conductor Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBUT25D12	XBUT4D12	XBUT25D22	XBUT4D22
				Catalog Number	Catalog Number	Catalog Number	Catalog Number
End cover	Gray	—	10	XBACUT4D12	XBACUT4D12	XBACUT4D22	XBACUT4D22
End cover segment	Gray	—	10	XBASUT4	XBASUT4	XBASUT4	XBASUT4
Partition plate	—	—	10	XBATUTD12	XBATUTD12	XBATUTD22	XBATUTD22
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-^①	XBATSMPS-^①	XBATSMPS-^①	XBATSMPS-^①
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS5	XBATSPS6
Blank marker strip (strip of 10)	White	—	10	XBMZB5^②	XBMZB6^②	XBMZB5^②	XBMZB6^②

Technical Data and Specifications

Screw Connection Multi-Conductor Terminal Blocks

Description	XBUT25D12	XBUT4D12	XBUT25D22	XBUT4D22
Technical Data in Accordance with IEC				
Maximum load current in A/cross-section in mm ²	28/4	39/6	28/4	39/6
Rated surge voltage in kV/contamination class	6/3	6/3	6/3	6/3
Surge voltage category/insulating material group	III/I	III/I	III/I	III/I
Connection Capacity				
Stranded with ferrule/with ferrule and plastic sleeve in mm ²	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
Multi-Conductor Connection (same cross-section)				
Solid/stranded in mm ²	0.14–1.0/0.14–1.0	0.14–1.0/0.14–1.5	0.14–1.0/0.14–1.0	0.14–1.0/0.14–1.5
Stranded with ferrules without plastic sleeve in mm ²	0.25–1.0	0.25–1.5	0.25–1.0	0.25–1.5
Stranded with twin ferrule with plastic sleeve in mm ²	0.5–1.0	0.5–1.0	0.5–1.0	0.5–1.0
Stripping length in inches (mm)	0.31 (8)	0.31 (8)	0.31 (8)	0.31 (8)
Thread	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)

Dimensions

Approximate Dimensions in Inches (mm)

Screw Connection Multi-Conductor Terminal Blocks

Catalog Number	Width	Length	Cover Width	Height for—	
				35 x 7.5 in	35 x 15 in
XBUT25D12	0.20 (5.2)	2.24 (56.8)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT4D12	0.24 (6.2)	2.24 (56.8)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT25D22	0.20 (5.2)	2.52 (64.1)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT4D22	0.24 (6.2)	2.52 (64.1)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)

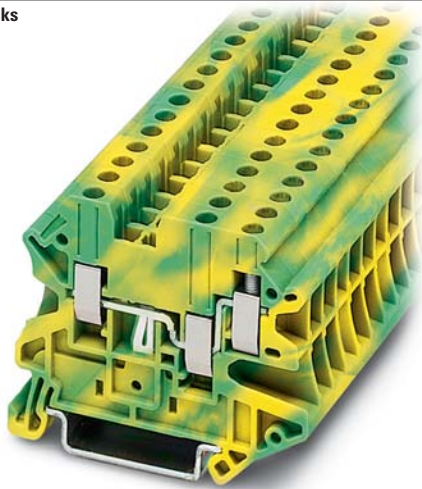
Notes

^① For ordering information, see **Page V7-T42-105**.

^② For information on Printed Marking Tag Options, see **Page V7-T42-98**.

For additional accessories, see **Page V7-T42-90**.

Multi-Conductor Ground Blocks



Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	V7-T42-5
Single Level—Ground Blocks	V7-T42-10
Multi-Conductor Terminal Blocks	V7-T42-12
Multi-Conductor Ground Blocks	
Accessories	V7-T42-15
Technical Data and Specifications	V7-T42-15
Dimensions	V7-T42-15
Double Level	V7-T42-16
Triple Level Sensor/Actuator	V7-T42-18
Fuse Terminal Blocks	V7-T42-21
Disconnect and Component Terminal Blocks	V7-T42-24
High Current Blocks	V7-T42-27
Mini Screw Connection	V7-T42-29

Multi-Conductor Ground Blocks

Product Description

The ground terminal blocks have the same shape and pitch as the standard terminal block, in a green-yellow housing. 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

XBUT4D12PE



Screw Connection Multi-Conductor Ground Blocks—Three-Wire

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm ²	—/—/26-12	—/—/26-12	Green/Yellow	50	XBUT25D12PE
6.2 mm	10 AWG/4 mm ²	—/—/26-10	—/—/26-10	Green/Yellow	50	XBUT4D12PE

XBUT25D22PE



Screw Connection Multi-Conductor Ground Blocks—Four-Wire

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm ²	—/—/26-12	—/—/26-12	Green/Yellow	50	XBUT25D22PE
6.2 mm	10 AWG/4 mm ²	—/—/26-10	—/—/26-10	Green/Yellow	50	XBUT4D22PE

Accessories

Screw Connection Multi-Conductor Ground Blocks

Description	Color	Number of Positions	Standard Pack	XBUT25D12PE	XBUT4D12PE	XBUT25D22PE	XBUT4D22PE
				Catalog Number	Catalog Number	Catalog Number	Catalog Number
End cover	Gray	—	10	XBACUT4D12	XBACUT4D12	XBACUT4D22	XBACUT4D22
End cover segment	Gray	—	10	XBASUT4	XBASUT4	XBASUT4	XBASUT4
Partition plate	—	—	10	XBATUTD12	XBATUTD12	XBATUTD22	XBATUTD22
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	XBATSPA14	XBATSPA14	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS-^①	XBATSMPS-^①	XBATSMPS-^①	XBATSMPS-^①
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS5	XBATSPS6
Blank marker strip (strip of 10)	White	—	10	XBMZB5^②	XBMZB6^②	XBMZB5^②	XBMZB6^②

42

Technical Data and Specifications

Screw Connection Multi-Conductor Ground Blocks

Description	XBUT25D12PE	XBUT4D12PE	XBUT25D22PE	XBUT4D22PE
Technical Data in Accordance with IEC				
Maximum load current in A/cross-section in mm ²	—	—	—	—
Rated surge voltage in kV/contamination class	6/3	6/3	6/3	6/3
Surge voltage category/insulating material group	III/I	III/I	III/I	III/I
Connection Capacity				
Stranded with ferrule/with ferrule and plastic sleeve in mm ²	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
Multi-Conductor Connection (same cross-section)				
Solid/stranded in mm ²	0.14–1.0/0.14–1.0	0.14–1.0/0.14–1.5	0.14–1.0/0.14–1.0	0.14–1.0/0.14–1.5
Stranded with ferrules without plastic sleeve in mm ²	0.25–1.0	0.25–1.5	0.25–1.0	0.25–1.5
Stranded with twin ferrule with plastic sleeve in mm ²	0.5–1.0	0.5–1.0	0.5–1	0.5–1
Stripping length in inches (mm)	0.31 (8)	0.31 (8)	0.31 (8)	0.31 (8)
Thread	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)

Dimensions

Approximate Dimensions in Inches (mm)

Screw Connection Multi-Connector Ground Blocks

Catalog Number	Width	Length	Cover Width	Height for—	
				35 x 7.5 in	35 x 15 in
XBUT25D12PE	0.20 (5.2)	2.24 (56.8)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT4D12PE	0.20 (5.2)	2.24 (56.8)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT25D22PE	0.20 (5.2)	2.52 (64.1)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBUT4D22PE	0.24 (6.2)	2.52 (64.1)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)

Notes

① For ordering information, see **Page V7-T42-105**.② For information on Printed Marking Tag Options, see **Page V7-T42-98**.For additional accessories, see **Page V7-T42-90**.

Double Level



42

Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	V7-T42-5
Single Level—Ground Blocks	V7-T42-10
Multi-Conductor Terminal Blocks	V7-T42-12
Multi-Conductor Ground Blocks	V7-T42-14
Double Level	
Accessories	V7-T42-17
Technical Data and Specifications	V7-T42-17
Dimensions	V7-T42-17
Triple Level Sensor/Actuator	V7-T42-18
Fuse Terminal Blocks	V7-T42-21
Disconnect and Component Terminal Blocks	V7-T42-24
High Current Blocks	V7-T42-27
Mini Screw Connection	V7-T42-29

Double Level

Product Description

The potentials of the XBUTT double-level terminal blocks are on two levels to reduce space requirements by 50% over single-level terminal

blocks. The XBUTT Series can be bridged on both levels for maximum flexibility. Marking can be provided at each termination point.

Product Selection

XBUTT4



Screw Connection Double Level Blocks, XBUTT4

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Screw Connection Double Level Blocks						
6.2 mm	10 AWG/4 mm ²	800/36/26–10	300/30/26–10	Gray	50	XBUTT4
				Blue	50	XBUTT4BU
				Red	50	XBUTT4RD
Screw Connection Double Level Block (terminal block with potential distribution between the levels)						
6.2 mm	10 AWG/4 mm ²	800/36/26–10	300/30/26–10	Gray	50	XBUTT4PV

XBUTT4PE



Screw Connection Double Level Ground Block, XBUTT4PE

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Screw Connection Double Level—Ground Blocks						
6.2 mm	10 AWG/4 mm ²	—/—/26–10	—/—/26–10	Green/Yellow	50	XBUTT4PE

Accessories

Screw Connection Terminal/Ground Blocks, Double Level

Description	Color	Number of Positions	Standard Pack	XBUTT4 Catalog Number	XBUTT4PE Catalog Number
End cover	Gray	—	10	XBACUTT4	XBACUTT4
End cover segment	Gray	—	10	XBDPUTT4	XBDPUTT4
Partition plate	—	—	10	XBATUTT4	XBATUTT4
Plug-in bridge—for cross connections in the bridge shaft	Red	2	10	XBAFBS26	XBAFBS26
		3	10	XBAFBS36	XBAFBS36
		5	10	XBAFBS56	XBAFBS56
		10	10	XBAFBS106	XBAFBS106
		50	10	XBAFBS506	XBAFBS506
Test adapter	—	—	10	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS-^①	XBATSMPS-^①
Modular test plug	—	—	10	XBATSPS6	XBATSPS6
Blank marker strip (strip of 10)	White	—	10	XBMZB6^②	XBMZB6^②

Technical Data and Specifications

Screw Connection Double Level

Description	XBUTT4	XBUTT4PE
Technical Data in Accordance with IEC		
Maximum load current in A/cross-section in mm ²	30/6	—/6
Rated surge voltage in kV/contamination class	8/3	6/3
Surge voltage category/insulating material group	III/I	III/I
Connection Capacity		
Stranded with ferrule/with ferrule and plastic sleeve in mm ²	0.25–4/0.25–4	0.25–4/0.25–4
Multi-Conductor Connection (same cross-section)		
Solid/stranded in mm ²	0.14–1.5/0.14–1.5	0.14–1.5/0.14–1.5
Stranded with ferrules without plastic sleeve in mm ²	0.25–1.5	0.25–1.5
Stranded with twin ferrule with plastic sleeve in mm ²	0.5–2.5	0.5–2.5
Stripping length in inches (mm)	0.35 (9)	0.35 (9)
Thread	M3	M3
Torque in in-lb (Nm)	5.3–7.1 (0.6–0.8)	5.3–7.1 (0.6–0.8)

Dimensions

Approximate Dimensions in Inches (mm)

Screw Connection Double Level

Catalog Number	Width	Length	Cover Width	Height for—	
				35 x 7.5 in	35 x 15 in
XBUTT4	0.24 (6.2)	2.75 (69.9)	0.09 (2.2)	2.56 (65.0)	2.85 (72.5)
XBUTT4PE	0.24 (6.2)	2.75 (69.9)	0.09 (2.2)	2.56 (65.0)	2.85 (72.5)

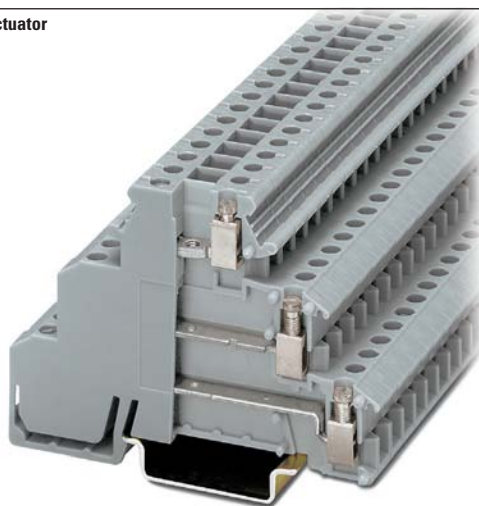
Notes

^① For ordering information, see **Page V7-T42-105**.

^② For information on Printed Marking Tag Options, see **Page V7-T42-98**.

For additional accessories, see **Page V7-T42-90**.

Triple Level Sensor/Actuator



Contents

Description	Page
Single Level—Through-Feed	V7-T42-5
Single Level—Ground Blocks	V7-T42-10
Multi-Conductor Terminal Blocks	V7-T42-12
Multi-Conductor Ground Blocks	V7-T42-14
Double Level	V7-T42-16
Triple Level Sensor/Actuator	
Accessories	V7-T42-19
Technical Data and Specifications	V7-T42-20
Dimensions	V7-T42-20
Fuse Terminal Blocks	V7-T42-21
Disconnect and Component Terminal Blocks	V7-T42-24
High Current Blocks	V7-T42-27
Mini Screw Connection	V7-T42-29

Triple Level Sensor/Actuator

Product Description

The XB3UK sensor terminal blocks reduce installation time by terminating three-wire devices such as photoelectric and proximity sensors in a single terminal block. The XB3UK Series accommodates a design where the positive and negative connections are

grouped so that only the signal lines and one pair of wires for the power supply need to be wired between the terminal box and the control. The upper level accommodates the markable feed-through terminals for the signal line. The two lower terminal points can be

bridged. These are used for the sensor power supply. The positive and negative potential can be fed into the bridges with XB3UKF25. The first sensor can also be connected to this three-wire feed-through block.

Product Selection

XB3UKA25

Screw Connection Triple Level Sensor/Actuator



Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	IEC 60 947-7-1 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Screw Connection Triple Level							
6.2 mm	14 AWG/2.5 mm ²	250/26/24-12	—	300/15/30-14	Gray	50	XB3UKA25
Screw Connection Triple Level with Red LED, 15-30 Vdc, 2.5-7.5A							
6.2 mm	14 AWG/2.5 mm ²	250/26/24-12	—	300/15/30-14	Gray	50	XB3UKA25L24

XB3UKF25

Screw Connection Triple Level Sensor/Actuator



Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	IEC 60 947-7-1 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Screw Connection Triple Level							
6.2 mm	14 AWG/2.5 mm ²	—	250/30/24-12	300/15/30-14	Gray	50	XB3UKF25

XB3UKA25PE



Screw Connection Triple Level Sensor/Actuator

Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Screw Connection Triple Level						
6.2 mm	14 AWG/2.5 mm ²	250/26/24–12	300/15/30–14	Gray	50	XB3UKA25PE
Screw Connection Triple Level with Red LED, 15–30 Vdc, 2.5–7.5A						
6.2 mm	14 AWG/2.5 mm ²	250/26/24–12	300/15/30–14	Gray	50	XB3UKA25PEL24

XB3UKF25PE



Screw Connection Triple Level Sensor/Actuator

Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Screw Connection Triple Level						
6.2 mm	14 AWG/2.5 mm ²	—	300/15/30–14	Gray	50	XB3UKF25PE

Accessories

Screw Connection Triple Level Sensor/Actuator

Description	Color	Number of Positions	Standard Pack	XB3UKA25	XB3UKF25	XB3UKA25PE	XB3UKF25PE
				Catalog Number	Catalog Number	Catalog Number	Catalog Number
Insertion bridge	Blue	80	1	XBAEB80DIKB	XBAEB80DIKB	XBAEB80DIKB	XBAEB80DIKB
	Red	80	1	XBAEB80DIKR	XBAEB80DIKR	XBAEB80DIKR	XBAEB80DIKR
Insertion bridge	Blue	10	10	XBAEB10DIKB	XBAEB10DIKB	XBAEB10DIKB	XBAEB10DIKB
	Red	10	10	XBAEB10DIKR	XBAEB10DIKR	XBAEB10DIKR	XBAEB10DIKR
Blank marker strip (strip of 10)	White	—	10	XBMZB6 ①	XBMZB6 ②	XBMZB6 ②	XBMZB6 ②

Notes

① For information on Printed Marking Tag Options, see **Page V7-T42-98**.

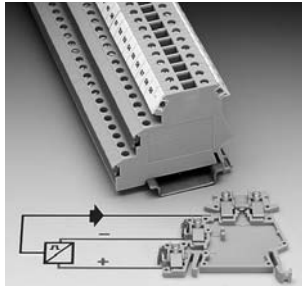
For additional accessories, see **Page V7-T42-90**.

Technical Data and Specifications

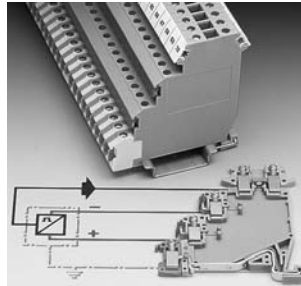
Screw Connection Triple Level Sensor/Actuator

Description	XB3UKA25	XB3UKF25	XB3UKA25PE	XB3UKF25PE
Technical Data in Accordance with IEC				
Maximum load current in A/cross-section in mm ²	26/2.5	30/4	26/2.5	26/2.5
Maximum cross section with insertion bridge solid/stranded in mm ²	4/2.5	4/2.5	4/2.5	4/2.5
Rated surge voltage in kV/contamination class	4/3	4/3	4/3	6/3
Surge voltage category/insulating material group	III/1	III/1	III/1	III/1
Connection Capacity				
Stranded with ferrule/with ferrule and plastic sleeve in mm ²	0.25–2.5/0.25–2.5	0.25–2.5/0.25–2.5	0.25–2.5/0.25–2.5	0.25–2.5/0.25–2.5
Multi-Conductor Connection (same cross-section)				
Solid/stranded in mm ²	0.2–1.0/0.2–1.0	0.2–1.0/0.2–1.0	0.2–1.0/0.2–1.0	0.2–1.0/0.2–1.0
Stranded with ferrules without plastic sleeve in mm ²	0.25–1.0	0.25–1.0	0.25–1.0	0.25–1.0
Stranded with twin ferrule with plastic sleeve in mm ²	0.5–1.0	0.5–1.0	0.5–1.0	0.5–1.0
Stripping length in inches (mm)	0.31 (8)	0.31 (8)	0.31 (8)	0.31 (8)
Thread	M3	M3	M3	M3
Torque in in-lb (Nm)	4.4–5.3 (0.5–0.6)	4.4–5.3 (0.5–0.6)	4.4–5.3 (0.5–0.6)	4.4–5.3 (0.5–0.6)

Wiring for Three-Level Sensor Terminal Blocks



Wiring for Four-Level Sensor Terminal Blocks



Dimensions

Approximate Dimensions in Inches (mm)

Screw Connection Triple Level Sensor/Actuator

Catalog Number	Width	Length	Height for—	
			35 x 7.5 in	35 x 15 in
XB3UKA25	0.24 (6.2)	2.17 (55.0)	2.15 (54.5)	2.44 (62.0)
XB3UKF25	0.24 (6.2)	2.85 (72.5)	2.15 (54.5)	2.44 (62.0)
XB3UKA25PE	0.24 (6.2)	2.46 (62.5)	2.76 (70.0)	3.05 (77.5)
XB3UKF25PE	0.24 (6.2)	3.25 (82.5)	2.76 (70.0)	3.05 (77.5)

Fuse Terminal Blocks



Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	V7-T42-5
Single Level—Ground Blocks	V7-T42-10
Multi-Conductor Terminal Blocks	V7-T42-12
Multi-Conductor Ground Blocks	V7-T42-14
Double Level.	V7-T42-16
Triple Level Sensor/Actuator	V7-T42-18
Fuse Terminal Blocks	
Accessories	V7-T42-23
Technical Data and Specifications	V7-T42-23
Dimensions	V7-T42-23
Disconnect and Component Terminal Blocks	V7-T42-24
High Current Blocks	V7-T42-27
Mini Screw Connection	V7-T42-29

Fuse Terminal Blocks

Product Description

The UT Series fuse terminal blocks come in two varieties—lever type and cap. Each performs two functions. They act as a fuse carrier for most common North American and European fuses and they

allow for potential distribution with the double bridge shaft. The terminal blocks therefore allow bypass routing of two separate potentials next to each other. This has the advantage of a time-saving

potential infeed and a correct, functional configuration of the terminal strip. For signaling a triggered fuse, fuse terminal blocks with light indicators are available (for both AC and DC voltage).

Product Selection

XBUT4FBE



Screw Connection Fuse Terminal Blocks, for 5 x 20 mm Fuse

Terminal Width	Maximum Wire Size	IEC 60 947-7-3 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Fuse Terminal Blocks						
6.2 mm	10 AWG/4 mm ²	①/6.3/26–10	600/6.3/26–10	Black	50	XBUT4FBE
Fuse Terminal Blocks with LED 12–30V, 1–2.5 mA						
6.2 mm	10 AWG/4 mm ²	①/6.3/26–10	600/6.3/26–10	Black	50	XBUT4FBEL24
Fuse Terminal Blocks with LED 30–60V, 0.8–2.0 mA						
6.2 mm	10 AWG/4 mm ²	①/6.3/26–10	600/6.3/26–10	Black	50	XBUT4FBEL60
Fuse Terminal Blocks with LED 110–250V, 0.5–2.5 mA						
6.2 mm	10 AWG/4 mm ²	①/6.3/26–10	600/6.3/26–10	Black	50	XBUT4FBEL250

Note

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

XBUT6FBN



Screw Connection Fuse Terminal Blocks for 6.3 x 32 mm (1/4 in x 1-1/4 in) Fuse

Terminal Width	Maximum Wire Size	IEC 60 947-7-3 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Fuse Terminal Blocks						
8.2 mm	8 AWG/6 mm ²	①/10/24-8	400/10/24-8	Black	50	XBUT6FBN
Fuse Terminal Blocks with LED 12-30V, 1-2.5 mA						
8.2 mm	8 AWG/6 mm ²	①/10/24-8	400/10/24-8	Black	50	XBUT6FBNL24
Fuse Terminal Blocks with LED 30-60V, 0.8-2.0 mA						
8.2 mm	8 AWG/6 mm ²	①/10/24-8	400/10/24-8	Black	50	XBUT6FBNL60
Fuse Terminal Blocks with LED 110-250V, 0.5-2.5 mA						
8.2 mm	8 AWG/6 mm ²	①/10/24-8	400/10/24-8	Black	50	XBUT6FBNL250

XBUK10FBCE



Screw Connection Fuse Terminal Blocks, XBUK10FBC

Terminal Width	Maximum Wire Size	IEC 60 947-7-3 with Fuse in V/A/AWG	IEC 60 947-7-3 as Disconnected t.b. in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Fuse Terminal Blocks for 5 x 20 mm fuse							
12 mm	6 AWG/16 mm ²	①/①/20-4	800/10/20-6	300/20/22-6	Black	50	XBUK10FBCE
Fuse Terminal Blocks for 6.3 x 32 mm (1/4 in x 1-1/4 in) fuse							
12 mm	6 AWG/16 mm ²	①/①/20-4	800/10/20-6	300/20/22-6	Black	50	XBUK10FBCN
Fuse Terminal Blocks with Light Indicator 15-30V, 1-2.5 mA, 5 x 20 mm							
12 mm	6 AWG/16 mm ²	①/①/20-4	800/10/20-6	300/20/22-6	Black	50	XBUK10FBCEL24
Fuse Terminal Blocks with Light Indicator 15-30V, 1-2.5 mA, 6.3 x 32 mm							
12 mm	6 AWG/16 mm ²	①/①/20-4	800/10/20-6	300/20/22-6	Black	50	XBUK10FBCNL24
Fuse Terminal Blocks with Light Indicator 110-250V, 0.5-1.1A, 5 x 20 mm							
12 mm	6 AWG/16 mm ²	①/①/20-4	800/10/20-6	300/20/22-6	Black	50	XBUK10FBCEL250
Fuse Terminal Blocks with Light Indicator 110-250V, 0.5-1.1A, 6.3 x 32 mm							
12 mm	6 AWG/16 mm ²	①/①/20-4	800/10/20-6	300/20/22-6	Black	50	XBUK10FBCNL250

Cartridge Fuse Inserts 5 x 20 mm Based on DIN EN 60 947-7-3: 2003-7

Terminal Blocks	U (V)	Overload Protection		Short-Circuit Protection Only		I _{max.} (A)
		Individual	Interconnected	Individual	Interconnected	
XBUT4FBE	250	1.6W	1.6W	4W	2.5W	6.3

Notes

Max. power dissipation at 73.4°F (23°C) based on DIN EN 60 947-7-3: 2003-7.

When selecting cartridge fuse inserts, please ensure that the maximum power dissipation specified above is not exceeded. Details can be obtained from the fuse suppliers.

If the fuse is defective, the downstream circuit is not off load.

① As disconnect terminal block 500V, as fuse terminal block 400V.

Accessories

Screw Connection Fuse Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBUT4FBE Catalog Number	XBUT6FBN Catalog Number	XBUK10FBCE Catalog Number
End cover	—	—	—	①	①	—
Plug-in bridge—for cross connections in the bridge shaft	Red	2	10	XBAFBS26	XBAFBS28	—
		3	10	XBAFBS36	XBAFBS38	—
		5	10	XBAFBS56	XBAFBS58	—
		10	10	XBAFBS106	XBAFBS108	—
		50	10	XBAFBS506	—	—
Blank marker strip center labeling (strip of 10)	White	—	—	XBMZB5 ②	XBMZB6 ②	—
Blank marker strip external labeling (strip of 10)	White	—	—	XBMZB6 ②	XBMZB8 ②	—
Fixed bridge	—	2	10	—	—	XBAFBI212
Screw heads with insulating collar	—	10	10	—	—	XBAFBI1012
Blank marker strip (strip of 10)	White	—	10	—	—	XBMZB6 ②

Technical Data and Specifications

Screw Connection Fuse Terminal Blocks

Description	XBUT4FBE	XBUT4FBN	XBUK10FBCE
Technical Data in Accordance with IEC			
Fuse type/dimensions in (mm)	—	—	G/5 x 20/5 x 25/6.3 x 32
Maximum cross section with insertion bridge solid/stranded in mm ²	6.3/6	10/10	10/10
Rated surge voltage in kV/contamination class	4/3	4/3	4/3
Surge voltage category/insulating material group	III/II	III/II	III/I
Connection Capacity			
Stranded with ferrule/with ferrule and plastic sleeve in mm ²	0.25–4/0.25–4	0.25–6/0.25–6	0.5–10/0.5–10
Multi-Conductor Connection (same cross-section)			
Solid/stranded in mm ²	0.14–1.5/0.14–1.5	—	0.5–4/0.5–4
Stranded with ferrules without plastic sleeve in mm ²	0.25–1.5	—	0.5–4
Stranded with twin ferrule with plastic sleeve in mm ²	0.5–2.5	0.5–4	0.5–10
Stripping length in inches (mm)	0.35 (9)	0.39 (10)	0.43 (11)
Thread	M3	M4	M4
Torque in in-lb (Nm)	5.3–7.1 (0.6–0.8)	13.3–15.9 (1.5–1.8)	13.3–15.9 (1.5–1.8)

Dimensions

Approximate Dimensions in Inches (mm)

Screw Connection Fuse Terminal Blocks

Catalog Number	Width	Length	Height for—		
			35 x 7.5 in	35 x 15 in	32 in
XBUT4FBE	0.24 (6.2)	2.24 (56.8)	2.87 (73.0)	3.17 (80.5)	—
XBUT4FBN	0.32 (8.2)	2.24 (56.8)	2.87 (73.0)	3.17 (80.5)	—
XBUK10FBCE	0.47 (12.0)	2.44 (62.0)	2.32 (59.0)	2.62 (66.5)	2.52 (64.0)

Notes

① XBUT4FBE and XBUT6FBN have an enclosed design. The use of an end cover is not required.

② For information on Printed Marking Tag Options, see **Page V7-T42-98**.

For additional accessories, see **Page V7-T42-90**.

Disconnect and Component Terminal Blocks



Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	V7-T42-5
Single Level—Ground Blocks	V7-T42-10
Multi-Conductor Terminal Blocks	V7-T42-12
Multi-Conductor Ground Blocks	V7-T42-14
Double Level	V7-T42-16
Triple Level Sensor/Actuator	V7-T42-18
Fuse Terminal Blocks	V7-T42-21
Disconnect and Component Terminal Blocks	
Product Selection	V7-T42-25
Accessories	V7-T42-26
Technical Data and Specifications	V7-T42-26
Dimensions	V7-T42-26
High Current Blocks	V7-T42-27
Mini Screw Connection	V7-T42-29

Disconnect and Component Terminal Blocks

Product Description

The **XB** Series includes application specific terminal blocks like the XBUT4TG disconnect block that accommodates disconnect component and fuse terminal blocks. It can also be bridged with standard terminal blocks via the double bridge shaft. The component plug XBPCO serves to accommodate different components such as resistors or capacitors.

5 x 20 mm fuses can be inserted into the fuse plug XBPFU, also available with light indication. The XBUT4MT knife disconnect terminal block features a compact design and a high current carrying capacity of 16A. Versions with test socket screws provide a test option for 2.3 mm diameter test plugs on both sides of the disconnect point.

Product Selection

XBUT4TG
Disconnect

Screw Connection Disconnect and Component Terminal Blocks

Terminal Width	Maximum Wire Size	Connection Data 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
Screw Connection Disconnect							
6.2 mm	10 AWG/4 mm ²	500/16/26–10	600/16/26–10	300/16/26–10	Gray	50	XBUT4TG
Screw Connection Disconnect with Test Sockets							
6.2 mm	10 AWG/4 mm ²	500/16/26–10	600/16/26–10	300/16/26–10	Gray	50	XBUT4TGP
Component Plug							
6.2 mm	10 AWG/4 mm ²	500/16/26–10	600/16/26–10	300/16/26–10	Gray	10	XBPCO
Fuse Plug							
6.2 mm	10 AWG/4 mm ²	500/16/26–10	600/16/26–10	300/16/26–10	Black	10	XBPFU
Fuse Plug with Light Indicator for 12–30V, 1–2.5 mA							
6.2 mm	10 AWG/4 mm ²	500/16/26–10	600/16/26–10	300/16/26–10	Black	10	XBPFUL24
Fuse Plug with Light Indicator for 110–250V, 0.5–2.5 mA							
6.2 mm	10 AWG/4 mm ²	500/16/26–10	600/16/26–10	300/16/26–10	Black	10	XBPFUL250
Screw Connection Disconnect Knife Disconnect							
6.2 mm	10 AWG/4 mm ²	500/16/26–10	600/16/26–10	300/16/26–10	Gray	50	XBUT4MT
Screw Connection Disconnect Knife Disconnect with Test Sockets							
6.2 mm	10 AWG/4 mm ²	500/16/26–10	600/16/26–10	300/16/26–10	Gray	50	XBUT4MTP
Screw Connection Terminal Blocks with Integrated Diodes							
6.2 mm	12 AWG/4 mm ²	500/32/24–10	600/30/26–10	—	Gray	50	XBUKK4DIO

XBTKT25 Thermal
Electric Voltage

Screw Connection Thermoelectric Voltage 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
Copper/Constantan (CU/CUNI44)						
10.4 mm	12 AWG/2.5 mm ²	400/—/24–12	300/10/28–12	Gray	50	XBTKT25 (Type T)
Iron/Constantan (FE/CUNI44)						
10.4 mm	12 AWG/2.5 mm ²	400/—/24–12	300/10/28–12	Gray	50	XBTKJ25 (Type J)
Nickel-Chrome/Constantan (NICR/CUNI44)						
10.4 mm	12 AWG/2.5 mm ²	400/—/24–12	300/10/28–12	Gray	50	XBTKE25 (Type E)
Nickel-Chrome/Nickel (NICRNI)						
10.4 mm	12 AWG/2.5 mm ²	400/—/24–12	300/10/28–12	Gray	50	XBTKK25 (Type K)
Copper/Copper Nickel (E-CU/A-CU)						
10.4 mm	12 AWG/2.5 mm ²	400/—/24–12	300/10/28–12	Gray	50	XBTKR25 (Type R)

Accessories

Screw Connection Disconnect and Component Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBUT4TG	XBUT4MT	XBUKK4DIO	XBTK25
				Catalog Number	Catalog Number	Catalog Number	Catalog Number
Plug-in bridge—for cross connections in the bridge shaft	Red	2	10	XBAFBS26	XBAFBS26	—	—
		3	10	XBAFBS36	XBAFBS36	—	—
		5	10	XBAFBS56	XBAFBS56	—	—
		10	10	XBAFBS106	XBAFBS106	—	—
		50	10	XBAFBS506	XBAFBS506	—	—
Test adapter	—	—	10	XBATSPA14	XBATSPA14	—	—
2.3 mm diameter test plug	—	—	—	XBATSMPS-^①	XBATSMPS-^①	—	—
Modular test plug	—	—	10	XBATSDPPS6	XBATSDPPS6	—	—
Blank marker strip (strip of 10)	White	—	10	XBMZB6^②	XBMZB6^②	XBMZB6^②	XBMZB10^②
End cover	Gray	—	10	—	—	XBACUKK35	XBACTK4
Spacer cover	Gray	—	10	—	—	XBADGUKK35	—
Spacer plate	—	—	10	—	—	XBADPUKK35	—
Partition plate	—	—	—	—	—	—	XBATTK4
Fixed bridge	—	10	10	—	—	XBAFBI106	—

Technical Data and Specifications

Screw Connection Disconnect and Component Terminal Blocks

Description	XBUT4TG	XBUT4MT	XBUKK4DIO	XBTK
Technical Data in Accordance with IEC				
Maximum load current in A/cross-section in mm ²	16/6	16/6	32/4	—
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	—
Connection Capacity				
Stranded with ferrule/with ferrule and plastic sleeve in mm ²	0.25–4/0.25–4	0.25–4/0.25–4	0.25–4/0.25–2.5	—
Multi-Conductor Connection (same cross-section)				
Solid/stranded in mm ²	0.14–1.5/0.14–1.5	0.14–1.5/0.14–1.5	0.2–1.5/0.2–1.5	—
Stranded with ferrules without plastic sleeve in mm ²	0.25–1.5	0.25–1.5	0.25–1.5	—
Stranded with twin ferrule with plastic sleeve in mm ²	0.5–2.5	0.5–2.5	0.5–1.5	—
Stripping length in inches (mm)	0.35 (9)	0.35 (9)	0.31 (8)	0.28 (7)
Thread	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)

Dimensions

Approximate Dimensions in Inches (mm)

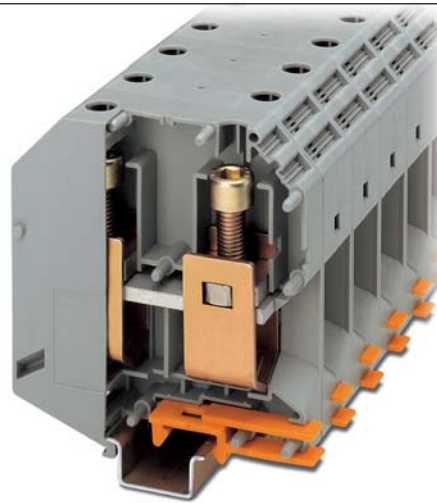
Screw Connection Disconnect and Component Terminal Blocks

Catalog Number	Width	Length	Cover Width	Height for—		
				35 x 7.5 in	35 x 15 in	32 in
XBUT4TG	0.24 (6.2)	2.24 (56.8)	—	1.87 (47.5)	2.17 (55.0)	—
XBUT4MT	0.24 (6.2)	2.24 (56.8)	—	1.87 (47.5)	2.17 (55.0)	—
XBUKK4DIO	0.24 (6.2)	2.20 (56.0)	0.10 (2.5)	2.44 (62.0)	2.74 (69.5)	2.64 (67.0)
XBTK	0.20 (5.2)	1.81 (46.0)	0.04 (1.0)	1.57 (40.0)	1.87 (47.5)	1.77 (45.0)

Notes

① For ordering information, see [Page V7-T42-105](#).② For information on Printed Marking Tag Options, see [Page V7-T42-98](#).For additional accessories, see [Page V7-T42-90](#).

High Current Blocks



Contents

Description	Page
Single Level—Through-Feed	V7-T42-5
Single Level—Ground Blocks	V7-T42-10
Multi-Conductor Terminal Blocks	V7-T42-12
Multi-Conductor Ground Blocks	V7-T42-14
Double Level.	V7-T42-16
Triple Level Sensor/Actuator	V7-T42-18
Fuse Terminal Blocks	V7-T42-21
Disconnect and Component Terminal Blocks	V7-T42-24
High Current Blocks	
Accessories	V7-T42-28
Technical Data and Specifications	V7-T42-28
Dimensions	V7-T42-28
Mini Screw Connection	V7-T42-29

High Current Blocks

Product Description

Eaton’s XBUK high current terminal blocks offer a reliable connection via the superior construction that includes three-point centering of the wire in the

prism-shaped sleeve base, a fluted contact surface for low contact resistance, and screws secured with spring-loaded elements. The terminal blocks have

an enclosed housing made from polyamide 6.6. Green-yellow ground terminal blocks are also available.

Product Selection

XBUK150



Screw Connection High Current Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	EN 50 019 ① in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
20.0 mm	1/0/50 mm ²	1000/150/1/0	750/135/1/0	600/150/1/0	Gray	10	XBUK50
					Blue	10	XBUK50BU
31.0 mm	300 kcmil/150 mm ²	1000/309/2–300	726/265/2–300	600/285/ 2 AWG–300 kcmil	Gray	10	XBUK150

XBUK95PE



Screw Connection High Current Ground Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	EN 50 019 ① in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
25.0 mm	000 AWG/95 mm ²	—/232/4–000	—/—/4–000	—/—/2–4/0	Green/Yellow	10	XBUK95PE

Note

① U type—examination certificate number: KEMA 05ATEX2170 U (XBUK50), KEMA 05ATEX2171 U (XBUK150).

Accessories

Screw Connection High Current Blocks

Description	Color	Number of Positions	Standard Pack	XBUK50 Catalog Number	XBUK150 Catalog Number	XBUK95PE Catalog Number
Fixed bridge, screw heads with insulating color	—	2	10	XBAFBI220	—	—
Insertion bridge	—	2	10	—	XBAEB231	—
Blank marker strip external labeling (strip of 10)	White	—	10	XBMZB10 ①	XBMZB10 ①	XBMZB10 ①

Technical Data and Specifications

Screw Connection High Current Blocks

Description	XBUK50	XBUK150	XBUK95PE
Technical Data in Accordance with IEC			
Maximum load current in A/cross-section in mm ²	150/50	309/150	232/95
Maximum cross-section with insertion bridge solid/stranded in mm ²	—/—	150/120	—/—
Rated surge voltage in kV/contamination class	8/3	8/3	8/3
Surge voltage category/insulating material group	III/I	III/I	III/I
Connection Capacity			
Stranded with ferrule/with ferrule and plastic sleeve in mm ²	25–50/25–50	50–150/50–150	35–95/35–95
Multi-Conductor Connection (same cross-section)			
Solid/stranded in mm ²	10–16/10–16	25–50/35–50	25–35/25–35
Stranded with ferrules without plastic sleeve in mm ²	10–16	25–50	16–35
Stripping length in inches (mm)	0.94 (24)	1.57 (40)	1.18 (30)
Thread	M6	M10	M8
Terminal point—thread/torque in in-lb (Nm)	53–71 (6–8)	221–267 (25–30)	133–177 (15–20)
Fastening—thread/torque in in-lb (Nm)	53–71 (6–8)	221–267 (25–30)	133–177 (15–20)

Dimensions

Approximate Dimensions in Inches (mm)

Screw Connection High Current Blocks

Catalog Number	Width	Length	Height for—		
			35 x 7.5 in	35 x 15 in	32 in
XBUK50	0.79 (20.0)	2.78 (70.5)	3.29 (83.5)	3.21 (81.5)	—
XBUK150	1.22 (31.0)	3.94 (100.0)	4.67 (118.5)	4.57 (116.0)	—
XBUK95PE	0.98 (25.0)	3.27 (83.0)	—	3.90 (99.0)	3.80 (96.5)

Notes

① For information on Printed Marking Tag Options, see **Page V7-T42-98**.For additional accessories, see **Page V7-T42-90**.

Mini Screw Connection Terminal Blocks



Contents

Description	Page
Single Level—Through-Feed	V7-T42-5
Single Level—Ground Blocks	V7-T42-10
Multi-Conductor Terminal Blocks	V7-T42-12
Multi-Conductor Ground Blocks	V7-T42-14
Double Level.	V7-T42-16
Triple Level Sensor/Actuator	V7-T42-18
Fuse Terminal Blocks	V7-T42-21
Disconnect and Component Terminal Blocks	V7-T42-24
High Current Blocks	V7-T42-27
Mini Screw Connection	
Accessories	V7-T42-30
Technical Data and Specifications	V7-T42-30
Dimensions	V7-T42-30

Mini Screw Connection

Product Description

The **XB** miniature terminal blocks have a connection cross-section from 2 mm² through 4 mm² and mount on 15 mm DIN rail. There is an

opening for bridging with a fixed bridge in the center of the terminal blocks. These miniature terminal blocks also offer the same accessories

that you would find with the larger blocks—including marking tags, end covers, end stop and ground blocks.

Product Selection

XBMUK4



Mini Screw Connection Terminal Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 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	12 AWG/2.5 mm ²	400/32/24–12	275/28/21/24–12	600/20/28–12	Gray	50	XBMUK25
					Blue	50	XBMUK25BU
6.2 mm	10 AWG/4 mm ²	500/41/24–10	—/—/—	600/10/26–10	Gray	50	XBMUK4
					Blue	50	XBMUK4BU

XBMUK25PE



Mini Screw Connection Ground Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-2 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm ²	—/—/24–12	—/—/30–12	Green/ Yellow	50	XBMUK25PE
6.2 mm	10 AWG/2.4 mm ²	—/—/24–10	—/—/26–14	Green/ Yellow	50	XBMUK4PE

Note

① EU type—examination certificate number: KEMA 05ATEX2169 U (XBMUK25).

Accessories

Mini Screw Connection Terminal/Ground Blocks

Description	Color	Number of Positions	Standard Pack	XBMUK25 Catalog Number	XBMUK4 Catalog Number	XBMUK25PE Catalog Number	XBMUK4PE Catalog Number
End cover	Gray	—	10	XBACMU254	XBACMU254	—	—
	Blue	—	10	XBACMU254B	XBACMU254B	—	—
Partition plate	—	—	10	XBATMU254	XBATMU254	—	—
Fixed bridge	—	10	10	XBAFBR105N	—	—	—
Separating plate	—	—	10	XBATMPKK15	XBATMPKK15	—	—
Blank marker strip (strip of 10)	White	—	10	XBMZB5 ①	XBMZB6 ①	XBMZB5 ①	XBMZB6 ①

Technical Data and Specifications

Mini Spring Cage Terminal/Ground Blocks

Description	XBMUK25	XBMUK4	XBMUK25PE	XBMUK4PE
Technical Data in Accordance with IEC				
Maximum load current in A/cross-section in mm ²	32/4	41/6	—	—
Maximum cross-section with insertion bridge (solid/stranded)	2.5/2.5	4/4	—	—
Rated surge voltage in kV/contamination class	6/3	6/3	6/3	6/3
Surge voltage category/insulating material group	III/1	III/1	III/1	III/1
Connection Cross-Section				
Stranded with ferrule with plastic sleeve in mm ²	0.25–1.5	0.25–2.5	0.25–1.5	0.25–2.5
Stranded with ferrule without plastic sleeve in mm ²	0.25–2.5	0.25–4	0.25–2.5	0.25–4
Multi-Conductor Connection (same cross-section)				
Solid/stranded in mm ²	0.2–1.0/0.2–1.5	0.2–1.5/0.2–1.5	0.2–1.0/0.2–1.5	0.2–1.5/0.2–1.5
Stranded with ferrule without plastic sleeve in mm ²	0.25–1.5	0.25–1.5	0.25–1.5	0.25–1.5
Stranded with ferrule with plastic sleeve in mm ²	0.5–1.0	0.5–2.5	0.5–1.5	0.5–2.5
Stripping length in Inches (mm)	0.31 (8)	0.31 (8)	0.31 (8)	0.31 (8)
Thread	M3	M3	M3	M3
Torque in in-lb (Nm)	5.3–7.1 (0.6–0.8)	4.4–5.3 (0.5–0.6)	5.3–7.1 (0.6–0.8)	5.3–7.1 (0.6–0.8)

Dimensions

Approximate Dimensions in Inches (mm)

Mini Spring Cage Terminal/Ground Blocks

Catalog Number	Width	Length	Cover Length	Height for— 15 in
XBMUK25	0.20 (5.2)	1.10 (28.0)	0.04 (1.0)	1.26 (32.0)
XBMUK4	0.24 (6.2)	1.10 (28.0)	0.04 (1.0)	1.26 (32.0)
XBMUK25PE	0.20 (5.2)	1.10 (28.0)	—	1.24 (31.5)
XBMUK4PE	0.24 (6.2)	1.10 (28.0)	—	1.26 (32.0)

Notes

① For information on Printed Marking Tag Options, see [Page V7-T42-98](#).

For additional accessories, see [Page V7-T42-90](#).

Spring Cage Connection



Contents

Description

	<i>Page</i>
Spring Cage Terminal Blocks	
Single Level—Through-Feed	V7-T42-32
Single Level—Ground Blocks	V7-T42-37
Multi-Conductor Terminal Blocks	V7-T42-39
Multi-Conductor Ground Blocks	V7-T42-42
Double Level Blocks	V7-T42-44
Triple Level Blocks	V7-T42-46
Fuse Terminal Blocks	V7-T42-48
Disconnect and Component Terminal Blocks	V7-T42-51
Hybrid Terminal Blocks	V7-T42-54
Mini Spring Cage	V7-T42-56



Drawings
Online

Spring Cage Terminal Blocks Overview

Product Description

The XBPT Series incorporates a spring cage connection system proven in applications that are sensitive to vibration. The spring mechanism always exerts the same constant force on the wire, resulting in a vibration-proof, gas-tight connection, independent of the user. The space-saving front connection, with the wire and screwdriver coming in parallel from the same direction, allows for simple wiring in places where there is little space available.

Application Description

The connection point is opened with a standard screwdriver. After the wire has been inserted into the wire guide of the terminal block, the screwdriver is removed and the wire automatically makes contact.

Features

- Vibration-resistance
- Global acceptance
- Multi-conductor connections
- Flexible Plug-in bridge system
- Large surface area for marking
- Standardized testing system

Standards and Certifications

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



Note

① Not all standards apply to all terminal blocks. Contact Eaton for details.

42.1

Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

Single Level—Through-Feed



42

Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	
Accessories	V7-T42-34
Technical Data and Specifications	V7-T42-36
Dimensions	V7-T42-36
Single Level—Ground Blocks	V7-T42-37
Multi-Conductor Terminal Blocks	V7-T42-39
Multi-Conductor Ground Blocks	V7-T42-42
Double Level Blocks	V7-T42-44
Triple Level Blocks	V7-T42-46
Fuse Terminal Blocks	V7-T42-48
Disconnect and Component Terminal Blocks	V7-T42-51
Hybrid Terminal Blocks	V7-T42-54
Mini Spring Cage	V7-T42-56

Single Level—Through-Feed

Product Description

The space-saving design and front entry design make the XBPT Series ideal for control systems where there is little space. Even so, they offer maximum connection space, resulting in fast wiring of stranded and solid conductors with or without ferrules.

XBPT terminal blocks are available with cross-sections from 2.5 mm² up to 35 mm². The double bridge shaft can accommodate individual chain bridging and step-down bridging from other terminal blocks.

Product Selection

XBPT6



Spring Cage Connection Single Level—Through-Feed

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 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	12 AWG/2.5 mm ²	800/31/28–12	550/25/21/24–12	600/20/26–12	Gray	50	XBPT25
					Blue	50	XBPT25BU
					White	50	XBPT25WH
					Red	50	XBPT25RD
					Black	50	XBPT25BK
6.2 mm	10 AWG/4 mm ²	800/40/28–10	550/34/30/24–10	600/30/20–10	Gray	50	XBPT4
					Blue	50	XBPT4BU
8.2 mm	8 AWG/6 mm ²	800/52/24–8	550/45/36/20–8	600/50/20–8	Gray	50	XBPT6
					Blue	50	XBPT6BU
10.2 mm	6 AWG/10 mm ²	800/65/24–6	550/50/63/16–6	600/65/16–6	Gray	50	XBPT10
					Blue	50	XBPT10BU
12 mm	4 AWG/16 mm ²	800/90/24–4	550/65/82/16–4	600/50/16–4	Gray	50	XBPT16
					Blue	50	XBPT16BU
16 mm	2 AWG/35 mm ²	800/125/14–2	750/108/14–2	600/115/14–2	Gray	50	XBPT35
					Blue	50	XBPT35BU

Note

^① EU type—examination certificate number: KEMA 05ATEX2158 U.

Accessories

Spring Cage Connection Single Level—Through-Feed, XBPT25, XBPT4 and XBPT6

Description	Color	Number of Positions	Standard Pack	XBPT25 Catalog Number	XBPT4 Catalog Number	XBPT6 Catalog Number
End cover	Gray	—	10	XBACPT25	XBACPT4	XBACPT6
Partition plate	Gray	—	10	XBATPT4	XBATPT4	XBATPT6
Plug-in bridge—for cross connections in the bridge shaft	Red	2	10	XBAFBS25	XBAFBS26	XBAFBS28
		3	10	XBAFBS35	XBAFBS36	—
		5	10	XBAFBS55	XBAFBS56	—
		10	10	XBAFBS105	XBAFBS106	—
		50	10	XBAFBS505	XBAFBS506	—
Test adapter	—	—	10	XBATSPA14	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS-^①	XBATSMPS-^①	XBATSMPS-^①
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS8
Blank marker strip external labeling	White	—	10	XBMZBF5^②	XBMZBF6^②	XBMZBF8^②
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5^②	XBMZB6^②	XBMZB8^②

Spring Cage Connection Single Level—Through-Feed, XBPT10, XBPT16 and XBPT35

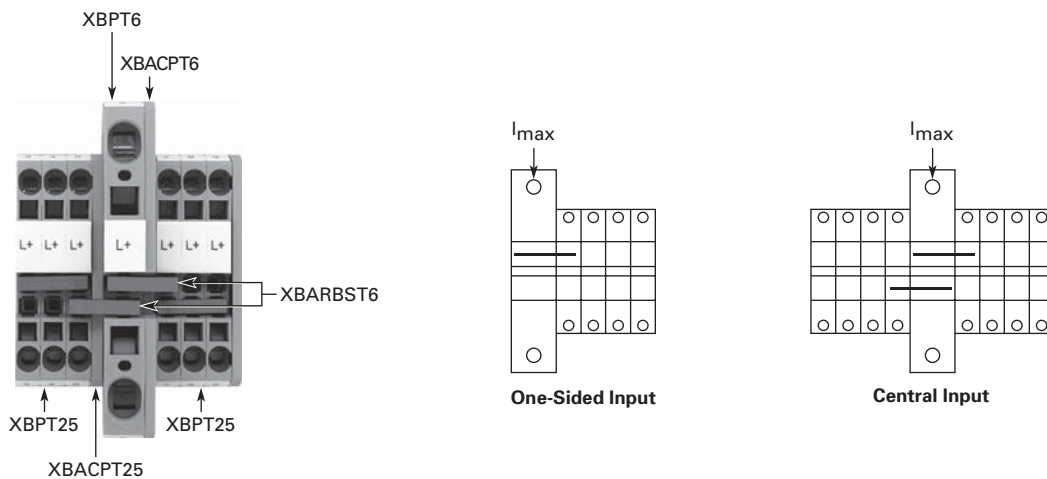
Description	Color	Number of Positions	Standard Pack	XBPT10 Catalog Number	XBPT16 Catalog Number	XBPT35 Catalog Number
End cover	Gray	—	10	XBACPT10	XBACPT16	^③
Plug-in bridge—for cross connections in the bridge shaft	Red	2	10	XBAFBS210	XBAFBS212^①	XBAFBS216^②
2.3 mm diameter test plug	—	—	10	XBATSMPS-^①	XBATSMPS-^①	XBATSMPS-^①
Blank marker strip external labeling	White	—	10	XBMZF10^②	XBMZBF12^②	XBMZBF15^②
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB10^②	XBMZB12^②	XBMZB15^②

Notes

- ① For ordering information, see **Page V7-T42-105**.
- ② For information on Printed Marking Tag Options, see **Page V7-T42-98**.
- ③ XBPT35 has an enclosed design. The use of an end cover is not required.

For additional accessories, see **Page V7-T42-90**.

XBPT with Reducing Bridge



Step-Down Bridge with Standard Feed-Through Terminal Blocks

Input Terminal Blocks	Cross-Section	Pick-Off Terminal Blocks	Cross-Section AWG (mm ²)	One-Sided Input I_{max}	Central Input I_{max}	Bridge Catalog Number
XBPT6	8 AWG (6 mm ²)	XBPT25	12 (2.5)	40	56	XBARBST6
		XBPT4	10 (4)	45	56	XBARBST6
		XBQT15	14 (1.5)	35	56	XBARBST6
		XBQT25	12 (2.5)	40	56	XBARBST6
XBPT10	6 AWG (10 mm ²)	XBPT25	12 (2.5)	40	65	XBARBST10
		XBPT4	10 (4)	45	65	XBARBST10
		XBQT15	14 (1.5)	35	65	XBARBST10
		XBQT25	12 (2.5)	40	65	XBARBST10
XBPT16	4 AWG (16 mm ²)	XBPT25	12 (2.5)	40	80	XBARBST16
		XBPT4	10 (4)	45	90	XBARBST16
		XBQT15	14 (1.5)	35	70	XBARBST16
		XBQT25	12 (2.5)	40	80	XBARBST16

Technical Data and Specifications

Spring Cage Connection Single Level—Through-Feed

Description	XBPT25	XBPT4	XBPT6	XBPT10	XBPT16	XBPT35
Technical Data in Accordance with IEC						
Maximum load current in A/cross-section in mm ²	31/4	40/6	52/10	65/16	90/25	125/35
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
Connection Capacity						
Stranded with ferrule/with ferrule and plastic sleeve in mm ²	0.25–2.5	0.25–4	0.25–6	0.25–10	0.25–16	2.5–35
Stranded with ferrules without plastic sleeve in mm ²	0.25–2.5	0.25–4	0.25–6	0.25–10	0.25–16	2.5–35
Stranded with twin ferrule with plastic sleeve in mm ²	0.5	0.5–1	0.5–1.5	1.5–2.5	1.5–4	2.5–10
Stripping length in inches (mm)	0.39 (10)	0.39 (10)	0.47 (12)	0.71 (18)	0.71 (18)	0.98 (25)

Dimensions

Approximate Dimensions in Inches (mm)

Spring Cage Connection Single Level—Through-Feed

Catalog Number	Width	Length	Cover Width	Height for—	
				35 x 7.5 in	35 x 15 in
XBPT25	0.20 (5.2)	1.91 (48.5)	0.09 (2.2)	1.45 (36.8)	1.73 (44.0)
XBPT4	0.24 (6.2)	2.20 (56.0)	0.09 (2.2)	1.45 (36.8)	1.73 (44.0)
XBPT6	0.32 (8.2)	2.74 (69.5)	0.09 (2.2)	1.71 (43.5)	2.01 (51.0)
XBPT10	0.39 (10.0)	2.81 (71.5)	0.09 (2.2)	1.99 (50.5)	2.30 (58.5)
XBPT16	0.47 (12.0)	3.15 (80.0)	0.09 (2.2)	2.01 (51.0)	2.30 (58.5)
XBPT35	0.63 (16.0)	3.94 (100.0)	①	2.32 (59.0)	2.62 (66.5)

Note

① XBPT35 has an enclosed design. The use of an end cover is not required.

Single Level—Ground Blocks



Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	V7-T42-32
Single Level—Ground Blocks	
Accessories	V7-T42-38
Technical Data and Specifications	V7-T42-38
Dimensions	V7-T42-38
Multi-Conductor Terminal Blocks	V7-T42-39
Multi-Conductor Ground Blocks	V7-T42-42
Double Level Blocks	V7-T42-44
Triple Level Blocks	V7-T42-46
Fuse Terminal Blocks	V7-T42-48
Disconnect and Component Terminal Blocks	V7-T42-51
Hybrid Terminal Blocks	V7-T42-54
Mini Spring Cage	V7-T42-56

Single Level—Ground Blocks

Product Description

The XBPT 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

XBPT4PE



Spring Cage Connection Single Level—Ground Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-2 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	12 AWG/2.5 mm ²	—/—/28-12	—/—/24-12	—/—/26-12	Green/Yellow	50	XBPT25PE
6.2 mm	10 AWG/4 mm ²	—/—/28-10	—/—/24-10	—/—/20-10	Green/Yellow	50	XBPT4PE
8.2 mm	8 AWG/6 mm ²	—/—/24-8	—/—/20-8	—/—/20-8	Green/Yellow	50	XBPT6PE
10.2 mm	6 AWG/10 mm ²	—/65/24-6	—/—/16-6	—/—/16-6	Green/Yellow	50	XBPT10PE
12 mm	4 AWG/16 mm ²	—/90/24-4	—/—/16-4 ②	—/—/16-4	Green/Yellow	25	XBPT16PE
16 mm	2 AWG/35 mm ²	—/125/14-2	—/—/14-2 ②	—/—/14-2	Green/Yellow	10	XBPT35PE

Notes

① EU type—examination certificate number: KEMA 05ATEX2154 U (XBPT25PE), KEMA 05ATEX2155 U (XBPT4PE).

② EU type—examination certificate number: KEMA 05ATEX2156 U.

Accessories

Spring Cage Connection Single Level Ground Blocks, XBPT25PE, XBPT4PE and XBPT6PE

Description	Color	Number of Positions	Standard Pack	XBPT25PE Catalog Number	XBPT4PE Catalog Number	XBPT6PE Catalog Number
End cover	Gray	—	10	XBACPT25	XBACPT4	XBACPT6
Blank marker strip external labeling	White	—	10	XBMZBF5 ①	XBMZBF6 ①	XBMZBF8 ①
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5 ①	XBMZB6 ①	XBMZB8 ①

Spring Cage Connection Single Level Ground Blocks, XBPT10PE, XBPT16PE and XBPT35PE

Description	Color	Number of Positions	Standard Pack	XBPT10PE Catalog Number	XBPT16PE Catalog Number	XBPT35PE Catalog Number
End cover	Gray	—	10	XBACPT10	XBACPT16	②
Plug-in bridge—for cross connections in the bridge shaft	—	2	10	XBAFBS210	XBAFBS212	XBAFBS216
Blank marker strip external labeling	White	—	10	XBMZBF10 ①	XBMZBF12 ①	XBMZBF15 ①
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB10 ①	XBMZB12 ①	XBMZB15 ①

Technical Data and Specifications

Spring Cage Connection Single Level Ground Blocks

Description	XBPT25PE	XBPT4PE	XBPT6PE	XBPT10PE	XBPT16PE	XBPT35PE
Technical Data in Accordance with IEC						
Maximum load current in A/cross-section in mm ²	—	—	—	65/16	90/25	125/35
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
Connection Capacity						
Stranded with ferrule with plastic sleeve in mm ²	0.25–2.5	0.25–4	0.25–6	0.25–10	0.25–16	2.5–35
Stranded with ferrules without plastic sleeve in mm ²	0.25–2.5	0.25–4	0.25–6	0.25–10	0.25–16	2.5–35
Stranded with twin ferrule with plastic sleeve in mm ²	0.5	0.5–1	0.5–1.5	1.5–2.5	1.5–4	2.5–10
Stripping length in inches (mm)	0.39 (10)	0.39 (10)	0.47 (12)	0.71 (18)	0.71 (18)	0.98 (25)

Dimensions

Approximate Dimensions in Inches (mm)

Spring Cage Connection Single Level Ground Blocks

Catalog Number	Width	Length	Cover Width	Height for—	
				35 x 7.5 in	35 x 15 in
XBPT25PE	0.20 (5.2)	1.91 (48.5)	0.09 (2.2)	1.45 (36.8)	1.73 (44.0)
XBPT4PE	0.24 (6.2)	2.20 (56.0)	0.09 (2.2)	1.45 (36.8)	1.73 (44.0)
XBPT6PE	0.32 (8.2)	2.74 (69.5)	0.09 (2.2)	1.71 (43.5)	2.01 (51.0)
XBPT10PE	0.39 (10.0)	2.81 (71.5)	0.09 (2.2)	1.99 (50.5)	2.28 (58.0)
XBPT16PE	0.47 (12.0)	3.15 (80.0)	0.09 (2.2)	2.01 (51.0)	2.30 (58.5)
XBPT35PE	0.63 (16.0)	3.94 (100.0)	—	2.32 (59.0)	2.62 (66.5)

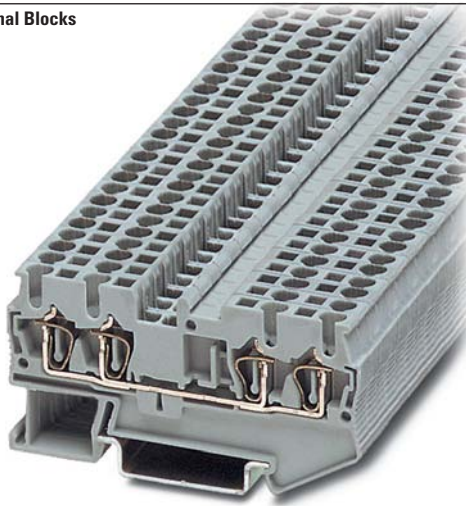
Notes

① For information on Printed Marking Tag Options, see **Page V7-T42-98**.

② XBPT35PE has an enclosed design. The use of an end cover is not required.

For additional accessories, see **Page V7-T42-90**.

Multi-Conductor Terminal Blocks



Contents

Description	Page
Single Level—Through-Feed	V7-T42-32
Single Level—Ground Blocks	V7-T42-37
Multi-Conductor Terminal Blocks	
Accessories	V7-T42-40
Technical Data and Specifications	V7-T42-41
Dimensions	V7-T42-41
Multi-Conductor Ground Blocks	V7-T42-42
Double Level Blocks	V7-T42-44
Triple Level Blocks	V7-T42-46
Fuse Terminal Blocks	V7-T42-48
Disconnect and Component Terminal Blocks	V7-T42-51
Hybrid Terminal Blocks	V7-T42-54
Mini Spring Cage	V7-T42-56

Multi-Conductor Terminal Blocks

Product Description

The multi-conductor terminal blocks offer a space-saving alternative to standard feed-through terminal blocks, allowing for high-density wiring. Often, three connections have to be led to one terminal block. The XBPT...D12 terminal block accomplishes this without

any additional terminal blocks or bridging required. The XBPT...D22 terminal blocks allow four wires to be connected to one potential—and can therefore be used as compact power distributors. There is also a version, XBPT25D22U or XBPT4D22U, with an interrupted bus bar in

the terminal center. This makes two feed-through terminal blocks available in one level. One side of this block can be bridged using the standard Plug-in bridges. Double marker carriers are available for clear marking of the feed-through levels.

Product Selection

XBPT4D12



Spring Cage Connection Multi-Conductor Terminal Blocks, Three-Wire

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 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	12 AWG/2.5 mm ²	800/28/28–12	550/25/21/24–12	600/20/26–12	Gray	50	XBPT25D12
					Blue	50	XBPT25D12BU
6.2 mm	10 AWG/4 mm ²	800/40/28–10	550/34/29/24–10	600/30/20–10	Gray	50	XBPT4D12
					Blue	50	XBPT4D12BU

Note

① EU type—examination certificate number: KEMA 05ATEX2154 U (XBPT25D12), KEMA 05ATEX2155 U (XBPT4D12).

XBPT25D22



Spring Cage Connection Multi-Conductor Terminal Blocks, Four-Wire

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	EN 50 019 ① in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Spring Cage Multi-Conductor							
5.2 mm	12 AWG/2.5 mm ²	800/28/28-12	550/24/21/24-12	600/20/26-12	Gray	50	XBPT25D22
					Blue	50	XBPT25D22BU
6.2 mm	10 AWG/4 mm ²	800/40/28-10	550/34/25/24-10	600/30/20-10	Gray	50	XBPT4D22
					Blue	50	XBPT4D22BU
Spring Cage Multi-Conductor with Interrupted Bus Bar							
5.2 mm	12 AWG/2.5 mm ²	800/28/28-12	550/24/21/24-12	600/20/26-12	Blue	50	XBPT25D22U
6.2 mm	10 AWG/4 mm ²	800/40/28-10	550/34/25/24-10	600/30/20-10	Blue	50	XBPT4D22U

Accessories

Spring Cage Connection Multi-Conductor Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBPT25D12 Catalog Number	XBPT4D12 Catalog Number	XBPT25D22 Catalog Number	XBPT4D22 Catalog Number
End cover	Gray	—	10	XBACPT25D12	XBACPT4D12	XBACPT25D22	XBACPT4D22
End cover segment	Gray	—	10	XBASPT25	XBASPT4	XBASPT25	XBASPT4
Partition plate	—	—	10	XBATPTD12	XBATPTD12	XBATPTD22	XBATPTD22
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	XBATSPA14	XBATSPA14	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS-^②	XBATSMPS-^②	XBATSMPS-^②	XBATSMPS-^②
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS5	XBATSPS6
Blank marker strip external labeling	White	—	10	XBMZBF5^③	XBMZBF6^③	XBMZBF5^③	XBMZBF6^③
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5^③	XBMZB6^③	XBMZB5^③	XBMZB6^③

Notes

① EU type—examination certificate number: KEMA 05ATEX2154 U (XBPT25D22), KEMA 05ATEX2155 (XBPT4D22).

② For ordering information, see **Page V7-T42-105**.

③ For information on Printed Marking Tag Options, see **Page V7-T42-98**.

For additional accessories, see **Page V7-T42-90**.

Technical Data and Specifications

Spring Cage Connection Multi-Conductor Terminal Blocks

Description	XBPT25D12	XBPT4D12	XBPT25D22	XBPT4D22
Technical Data in Accordance with IEC				
Maximum load current in A/cross-section in mm ²	28/4	40/6	28/4	40/6
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
Connection Capacity				
Stranded with ferrule with plastic sleeve in mm ²	0.25–2.5	0.25–4	0.25–2.5	0.25–4
Stranded with ferrules without plastic sleeve in mm ²	0.25–2.5	0.25–4	0.25–2.5	0.25–4
Stranded with twin ferrule with plastic sleeve in mm ²	0.5	0.5–1	0.5	0.5–1
Stripping length in inches (mm)	0.39 (10)	0.39 (10)	0.39 (10)	0.39 (10)

Dimensions

Approximate Dimensions in Inches (mm)

Spring Cage Connection Multi-Conductor Terminal Blocks

Catalog Number	Width	Length	Cover Width	Height for—	
				35 x 7.5 in	35 x 15 in
XBPT25D12	0.20 (5.2)	2.38 (60.5)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)
XBPT4D12	0.24 (6.2)	2.81 (71.5)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)
XBPT25D22	0.20 (5.2)	2.83 (72.0)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)
XBPT4D22	0.24 (6.2)	3.43 (87.0)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)

Multi-Conductor Terminal Blocks



Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	V7-T42-32
Single Level—Ground Blocks	V7-T42-37
Multi-Conductor Terminal Blocks	V7-T42-39
Multi-Conductor Ground Blocks	
Accessories	V7-T42-43
Technical Data and Specifications	V7-T42-43
Dimensions	V7-T42-43
Double Level Blocks	V7-T42-44
Triple Level Blocks	V7-T42-46
Fuse Terminal Blocks	V7-T42-48
Disconnect and Component Terminal Blocks	V7-T42-51
Hybrid Terminal Blocks	V7-T42-54
Mini Spring Cage	V7-T42-56

Multi-Conductor Ground Blocks

Product Description

The ground terminal blocks have the same shape and pitch as the standard terminal block, in a green-yellow housing. 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

XBPT25D12PE



Spring Cage Connection Multi-Conductor Ground Blocks, Three-Wire

Terminal Width	Maximum Wire Size	IEC 60 947-7-2 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	12 AWG/2.5 mm ²	—/—/28-12	—/—/24-12	—/—/26-12	Green/Yellow	50	XBPT25D12PE
6.2 mm	10 AWG/4 mm ²	—/—/28-10	—/—/24-10	—/—/20-10	Green/Yellow	50	XBPT4D12PE

XBPT4D22PE



Spring Cage Connection Multi-Conductor Ground Blocks, Four-Wire

Terminal Width	Maximum Wire Size	IEC 60 947-7-2 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	12 AWG/2.5 mm ²	—/—/28-12	—/—/24-12	—/—/26-12	Green/Yellow	50	XBPT25D22PE
6.2 mm	10 AWG/4 mm ²	—/—/28-10	—/—/24-10	—/—/20-10	Green/Yellow	50	XBPT4D22PE

Note

① EU type—examination certificate number: KEMA 05ATEX2154 U (XBPT25D12PE), KEMA 05ATEX2155 U (XBPT4D12PE).

Accessories

Spring Cage Connection Multi-Conductor Ground Blocks

Description	Color	Number of Positions	Standard Pack	XBPT25D12PE	XBPT4D12PE	XBPT25D22PE	XBPT4D22PE
				Catalog Number	Catalog Number	Catalog Number	Catalog Number
End cover	Gray	—	10	XBACPT25D12	XBACPT4D12	XBACPT25D22	XBACPT4D22
End cover segment	Gray	—	10	XBASPT25	XBASPT4	XBASPT25	XBASPT4
Blank marker strip external labeling	White	—	10	XBMZBF5 ①	XBMZBF6 ①	XBMZBF5 ①	XBMZBF6 ①
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5 ①	XBMZB6 ①	XBMZB5 ①	XBMZB6 ①

Technical Data and Specifications

Spring Cage Connection Multi-Conductor Ground Blocks

Description	XBPT25D12PE	XBPT4D12PE	XBPT25D22PE	XBPT4D22PE
Technical Data in Accordance with IEC				
Maximum load current in A/cross-section in mm ²	—	—	—	—
Rated surge voltage in kV/contamination class	8/3	8/3	8/3	8/3
Surge voltage category/insulating material group	III/1	III/1	III/1	III/1
Connection Capacity				
Stranded with ferrule with plastic sleeve in mm ²	0.25–2.5	0.25–4	0.25–2.5	0.25–4
Stranded with ferrules without plastic sleeve in mm ²	0.25–2.5	0.25–4	0.25–2.5	0.25–4
Stranded with twin ferrule with plastic sleeve in mm ²	0.5	0.5–1	0.5	0.5–1
Stripping length in inches (mm)	0.39 (10)	0.39 (10)	0.39 (10)	0.39 (10)

Dimensions

Approximate Dimensions in Inches (mm)

Spring Cage Connection Multi-Conductor Ground Blocks

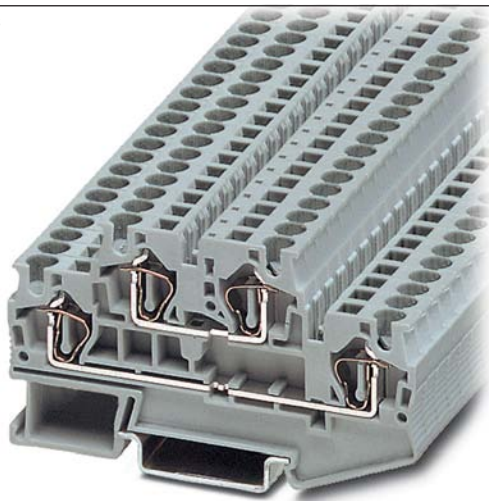
Catalog Number	Width	Length	Cover Width	Height for—	
				35 x 7.5 in	35 x 15 in
XBPT25D12PE	0.20 (5.2)	2.38 (60.5)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)
XBPT4D12PE	0.24 (6.2)	2.81 (71.5)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)
XBPT25D22PE	0.20 (5.2)	2.83 (72.0)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)
XBPT4D22PE	0.24 (6.2)	3.43 (87.0)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)

Notes

① For information on Printed Marking Tag Options, see [Page V7-T42-98](#).

For additional accessories, see [Page V7-T42-90](#).

Double Level Blocks



Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	V7-T42-32
Single Level—Ground Blocks	V7-T42-37
Multi-Conductor Terminal Blocks	V7-T42-39
Multi-Conductor Ground Blocks	V7-T42-42
Double Level Blocks	
Accessories	V7-T42-45
Technical Data and Specifications	V7-T42-45
Dimensions	V7-T42-45
Triple Level Blocks	V7-T42-46
Fuse Terminal Blocks	V7-T42-48
Disconnect and Component Terminal Blocks	V7-T42-51
Hybrid Terminal Blocks	V7-T42-54
Mini Spring Cage	V7-T42-56

Double Level Blocks

Product Description

The potentials of the **XB** double level terminal blocks routed on two levels reduce space requirements by 50% compared with single level terminal blocks.

The XBPTT blocks can be bridged on both levels with the Plug-in bridge system and labeling options are available for each terminal point, resulting in maximum

customization for each application. The XBPTT25PV and XBPTT4PV terminal blocks have two interconnected levels.

Equipotential bonding is marked by an imprint on the housing. These terminal blocks can also be bridged and used to construct compact potential distributor blocks.

Product Selection

XBPTT4



Spring Cage Connection Double Level Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	EN 50 019 ① in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Spring Cage Connection Double Level Blocks							
5.2 mm	12 AWG/2.5 mm ²	500/26/28-12	420/23/19/24-12	600/20/26-12	Gray	50	XBPTT25
					Blue	50	XBPTT25BU
6.2 mm	10 AWG/4 mm ²	500/32/28-10	420/32/27/24-10	300/30/20-10	Gray	50	XBPTT4
					Blue	50	XBPTT4BU
Spring Cage Connection Double Level Blocks (terminal block with potential distribution between the levels)							
5.2 mm	112 AWG/2.5 mm ²	500/26/28-12	420/23/19/24-12	600/20/26-12	Gray	50	XBPTT25PV
6.2 mm	10 AWG/4 mm ²	500/32/28-10	420/32/27/24-10	300/30/20-10	Gray	50	XBPTT4PV

XBPTT25PE



Spring Cage Connection Double Level Ground Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-2 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	12 AWG/2.5 mm ²	—/—/28-12	—/—/24-12	—/—/26-12	Green/Yellow	50	XBPTT25PE
6.2 mm	10 AWG/4 mm ²	—/—/28-10	—/—/24-10	—/—/20-10	Green/Yellow	50	XBPTT4PE

Note

① EU type—examination certificate number: KEMA 05ATEX2154 U (XBPTT25), KEMA 05ATEX2155 U (XBPTT4).

Accessories

Spring Cage Connection Double Level Blocks

Description	Color	Number of Positions	Standard Pack	XBPTT25 Catalog Number	XBPTT4 Catalog Number	XBPTT25PE Catalog Number	XBPTT4PE Catalog Number
End cover	Gray	—	10	XBACPTT25	XBACPTT4	XBACPTT25	XBACPTT4
Partition plate	—	—	10/50	XBATPTT4	XBATPTT4	—	—
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	—	—
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	—	—
Blank marker strip (strip of 10)	White	—	10	XBMZBF5 ①	XBMZBF6 ①	XBMZBF5 ①	XBMZBF6 ①

Technical Data and Specifications

Spring Cage Connection Double Level Blocks

Description	XBPTT25	XBPTT4	XBPTT25PE	XBPTT4PE
Technical Data in Accordance with IEC				
Maximum load current in A/cross-section in mm ²	26/4	32/6	—	—
Rated surge voltage in kV/contamination class	6/3	6/3	6/3	6/3
Surge voltage category/insulating material group	III/I	III/I	III/I	III/I
Connection Capacity				
Stranded with ferrule with plastic sleeve in mm ²	0.25–2.5	0.25–4	0.25–2.5	0.25–4
Stranded with ferrules without plastic sleeve in mm ²	0.25–2.5	0.25–4	0.25–2.5	0.25–4
Stranded with twin ferrule with plastic sleeve in mm ²	0.5	0.5–1	0.5	0.5–1
Stripping length in inches (mm)	0.39 (10)	0.39 (10)	0.39 (10)	0.39 (10)

Dimensions

Approximate Dimensions in Inches (mm)

Spring Cage Connection Double Level Blocks

Catalog Number	Width	Length	Cover Width	Height for—	
				35 x 7.5 in	35 x 15 in
XBPTT25	0.20 (5.2)	2.66 (67.5)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBPTT4	0.24 (6.2)	3.29 (83.5)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBPTT25PE	0.20 (5.2)	2.66 (67.5)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)
XBPTT4PE	0.24 (6.2)	3.29 (83.5)	0.09 (2.2)	1.87 (47.5)	2.17 (55.0)

Notes

① For information on Printed Marking Tag Options, see **Page V7-T42-98**.

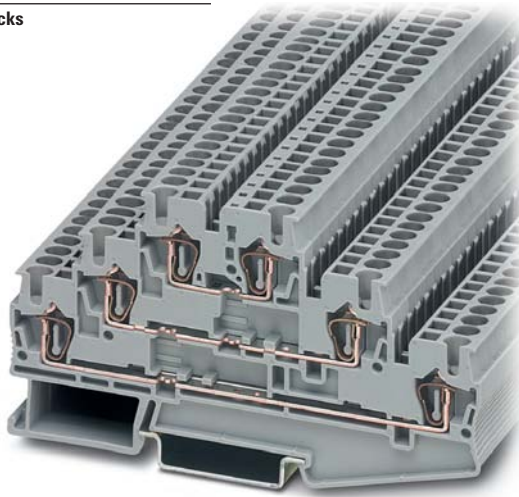
For additional accessories, see **Page V7-T42-90**.

42.1

Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

Triple Level Blocks



42

Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	V7-T42-32
Single Level—Ground Blocks	V7-T42-37
Multi-Conductor Terminal Blocks	V7-T42-39
Multi-Conductor Ground Blocks	V7-T42-42
Double Level Blocks	V7-T42-44
Triple Level Blocks	
Accessories	V7-T42-47
Technical Data and Specifications	V7-T42-47
Dimensions	V7-T42-47
Fuse Terminal Blocks	V7-T42-48
Disconnect and Component Terminal Blocks	V7-T42-51
Hybrid Terminal Blocks	V7-T42-54
Mini Spring Cage	V7-T42-56

Triple Level Blocks

Product Description

The spring cage triple level terminal block incorporates three feed-through levels in a 5.2 mm wide housing. This is ideal for high density wiring, especially important

when switchgear space is restricted. There is a bridge shaft on each level allowing use of this block as a compact potential distributor or as a sensor terminal.

The XBPTK25PV has all six terminal points interconnected. All the triple level blocks can be labeled on each level.

Product Selection

XBPTK25

Spring Cage Connection Triple Level Blocks



Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm ²	500/28/28-12	600/20/26-12	Gray	50	XBPTK25
5.2 mm	12 AWG/2.5 mm ²	500/28/28-12	600/20/26-12	Gray	50	XBPTK25PV ①

Note

① Terminal block with potential distribution between the levels.

Accessories

Spring Cage Connection Triple Level Blocks

Description	Color	Number of Positions	Standard Pack	XBPTK25 Catalog Number	XBPTK25PV Catalog Number
End cover	Gray	—	10	XBACPT25K	XBACPT25K
Plug-in bridge—for cross connections in the bridge shaft	Red	2	10	XBAFBS25	XBAFBS25
		3	10	XBAFBS35	XBAFBS35
		5	10	XBAFBS55	XBAFBS55
		10	10	XBAFBS105	XBAFBS105
		50	10	XBAFBS505	XBAFBS505
Test adapter	—	—	10	XBATSPA14	XBATSPA14
Modular test plug	—	—	10	XBATSPS5	XBATSPS5
Blank marker strip (strip of 10)	White	—	10	XBMZBF5 ①	XBMZBF5 ①

Technical Data and Specifications

Spring Cage Connection Triple Level Blocks

Description	XBPTK25	XBPTK25PV
Technical Data in Accordance with IEC		
Maximum load current in A/cross-section in mm ²	28/4	28/4
Rated surge voltage in kV/contamination class	6/3	6/3
Surge voltage category/insulating material group	III/I	III/I
Connection Capacity		
Stranded with ferrule with plastic sleeve in mm ²	0.25–2.5	0.25–2.5
Stranded with ferrules without plastic sleeve in mm ²	0.25–2.5	0.25–2.5
Stranded with twin ferrule with plastic sleeve in mm ²	0.5	0.5
Stripping length in inches (mm)	0.39 (10)	0.39 (10)

Dimensions

Approximate Dimensions in Inches (mm)

Spring Cage Connection Triple Level Blocks

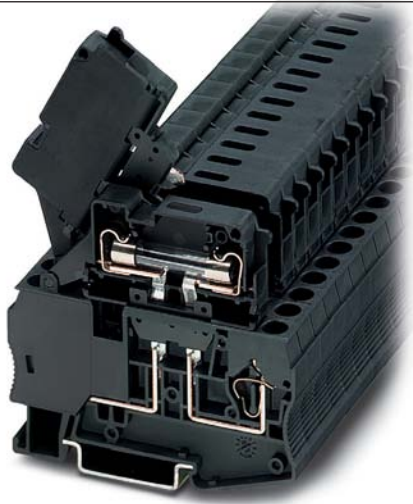
Catalog Number	Width	Length	Cover Length	Height for—	
				35 x 7.5 in	35 x 15 in
XBPTK25	0.20 (5.2)	3.92 (99.5)	0.09 (2.2)	2.28 (58.0)	2.58 (65.5)
XBPTK25PV	0.20 (5.2)	3.92 (99.5)	0.09 (2.2)	2.28 (58.0)	2.58 (65.5)

Notes

① For information on Printed Marking Tag Options, see **Page V7-T42-98**.

For additional accessories, see **Page V7-T42-90**.

Fuse Terminal Blocks



Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	V7-T42-32
Single Level—Ground Blocks	V7-T42-37
Multi-Conductor Terminal Blocks	V7-T42-39
Multi-Conductor Ground Blocks	V7-T42-42
Double Level Blocks	V7-T42-44
Triple Level Blocks	V7-T42-46
Fuse Terminal Blocks	
Accessories	V7-T42-49
Technical Data and Specifications	V7-T42-50
Dimensions	V7-T42-50
Disconnect and Component Terminal Blocks	V7-T42-51
Hybrid Terminal Blocks	V7-T42-54
Mini Spring Cage	V7-T42-56

Fuse Terminal Blocks

Product Description

The spring cage fuse terminal blocks act as a fuse carrier for 5 x 20 mm or 6.3 x 32 mm fuses. They also allow for potential distribution with the

double bridge shaft. For signaling a triggered fuse, fuse terminal blocks with light indicators are available (for both AC and DC voltage).

Product Selection

XBPT4FBE

Spring Cage Connection Fuse Terminal Blocks, for 5 x 20 mm Fuse



Terminal Width	Maximum Wire Size	IEC 60 947-7-3 with Fuse in V/A/AWG	IEC 60 947-7-3 as Disconnect Terminal Blocks in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Fuse Terminal Blocks							
6.2 mm	10 AWG/4 mm ²	①/①/28-10	250/6.3/28-10	300/6.3/24-10	Black	50	XBPT4FBE
Fuse Terminal Blocks with LED 15-30V, 3.5-8.1A							
6.2 mm	10 AWG/4 mm ²	①/①/28-10	250/6.3/28-10	300/6.3/24-10	Black	50	XBPT4FBEL24
Fuse Terminal Blocks with LED 30-60V, 0.8-2.0A							
6.2 mm	10 AWG/4 mm ²	①/①/28-10	250/6.3/28-10	300/6.3/24-10	Black	50	XBPT4FBEL60
Fuse Terminal Blocks with LED 110-250V, 0.5-1.0A							
6.2 mm	10 AWG/4 mm ²	①/①/28-10	250/6.3/28-10	300/6.3/24-10	Black	50	XBPT4FBEL250

Notes

The cartridge fuse holders should be selected according to the maximum power dissipation (self-heating) of the cartridge fuse inserts. The thermal conditions in closed fuse holes should be checked according to the application and installation.

Higher ambient temperatures are an additional strain on fuse inserts. In applications of this kind, the shift of the rated current should be taken into consideration accordingly.

Maximum power dissipation at 73.4°F (23°C) (in accordance with IEC 60 947-7-3).

When selecting cartridge fuse inserts, please ensure that the maximum power dissipation specified at right is not exceeded. Details can be obtained from the fuse suppliers.

Cartridge Fuse Inserts 5 x 20 and 6.3 x 32 mm in accordance with IEC 60 947-7-3.

① The current is determined by the fuse used, the voltage by the selected light indicator. See **Page V7-T42-49**.

XBPT4FBN

Spring Cage Connection Fuse Terminal Blocks, for 6.3 x 32 mm (1/4 in x 1-1/4 in) Fuse



Terminal Width	Maximum Wire Size	IEC 60 947-7-3 with Fuse in V/A/AWG	IEC 60 947-7-3 as Disconnect Terminal Blocks in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Fuse Terminal Blocks							
8.2 mm	10 AWG/4 mm ²	400/10/28-10	400/10/28-10	300/10/24-10	Black	50	XBPT4FBN
Fuse Terminal Blocks with LED 12-30V, 1.0-2.5 mA							
8.2 mm	10 AWG/4 mm ²	400/10/28-10	400/10/28-10	300/10/24-10	Black	50	XBPT4FBNL24
Fuse Terminal Blocks with LED 110-250V, 0.5-2.5 mA							
8.2 mm	10 AWG/4 mm ²	400/10/28-10	400/10/28-10	300/10/24-10	Black	50	XBPT4FBNL250

Accessories

Spring Cage Connection Fuse Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBPT4FBE Catalog Number	XBPT4FBN Catalog Number
Partition plate	—	—	10	XBATPT4	XBATQTD12
Plug-in bridge—for cross connections in the bridge shaft	Red	2	10	XBAFBS26	XBAFBS28
		3	10	XBAFBS36	—
		5	10	XBAFBS56	—
		10	10	XBAFBS106	—
Blank marker strip external labeling	White	—	10	XBMZBF6 ①	XBMZBF8 ①
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5 ①	XBMZB6 ①

Notes

The cartridge fuse holders should be selected according to the maximum power dissipation (self-heating) of the cartridge fuse inserts. The thermal conditions in closed fuse holes should be checked according to the application and installation.

Higher ambient temperatures are an additional strain on fuse inserts. In applications of this kind, the shift of the rated current should be taken into consideration accordingly.

Maximum power dissipation at 73.4°F (23°C) (in accordance with IEC 60 947-7-3).

When selecting cartridge fuse inserts, please ensure that the maximum power dissipation specified at right is not exceeded. Details can be obtained from the fuse suppliers.

Cartridge Fuse Inserts 5 x 20 and 6.3 x 32 mm in accordance with IEC 60 947-7-3.

① For information on Printed Marking Tag Options, see **Page V7-T42-98**.

For additional accessories, see **Page V7-T42-90**.

Technical Data and Specifications

Overload and Short-Circuit Protection

Terminal Blocks	U (V)	Overload Protection		Short-Circuit Protection Only		I _{max} (A)
		Individual	Interconnected	Individual	Interconnected	
XBPT4FBN	400	1.6W	1.6W	4W	2.5W	10.0
XBPT4FBE	250	1.6W	1.6W	4W	2.5W	6.3

Spring Cage Connection Fuse Terminal Blocks

Description	XBPT4FBE	XBPT4FBN
Technical Data in Accordance with IEC		
Fuse type/dimensions in mm ²	G/5 x 20	G/6.3 x 32
Maximum current with single arrangement in A	6.3	10
Maximum Power Dissipation		
At 73.4°F (23°C) in accordance with IEC 60 947-7-3 in W	①	①
Rated surge voltage in kV/contamination class	4/3	6/3
Surge voltage category/insulating material group	III/I	III/I
Connection Capacity		
Stranded with ferrule/with ferrule and plastic sleeve in mm ²	0.25–4/0.25–4	0.25–4/0.25–4
Stranded with twin ferrule and plastic sleeve in mm ²	0.5	0.5
Stripping length in inches (mm)	0.39 (10)	0.39 (10)

Dimensions

Approximate Dimensions in Inches (mm)

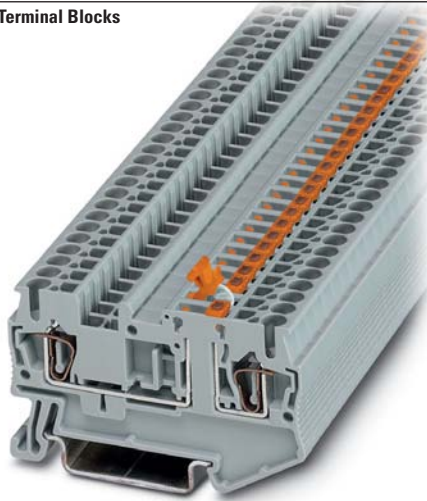
Spring Cage Connection Fuse Terminal Blocks

Catalog Number	Width	Length	Height for—	
			35 x 7.5 in	35 x 15 in
XBPT4FBE	0.24 (6.2)	2.42 (61.5)	2.46 (62.5)	2.76 (70.0)
XBPT4FBN	0.32 (8.2)	3.01 (76.5)	2.72 (69.0)	3.01 (76.5)

Note

① The current is determined by the fuse used, the voltage by the selected light indicator. See **Page V7-T42-49**.

Disconnect and Component Terminal Blocks



Contents

Description	Page
Single Level—Through-Feed	V7-T42-32
Single Level—Ground Blocks	V7-T42-37
Multi-Conductor Terminal Blocks	V7-T42-39
Multi-Conductor Ground Blocks	V7-T42-42
Double Level Blocks	V7-T42-44
Triple Level Blocks	V7-T42-46
Fuse Terminal Blocks	V7-T42-48
Disconnect and Component Terminal Blocks	
Accessories	V7-T42-52
Technical Data and Specifications	V7-T42-53
Dimensions	V7-T42-53
Hybrid Terminal Blocks	V7-T42-54
Mini Spring Cage	V7-T42-56

Disconnect and Component Terminal Blocks

Product Description

The XBPT knife disconnect terminal blocks feature narrow construction and high current carrying capacity. They also have a test connection parallel to the disconnect point for a 2.3 mm

diameter test plug. Potential distribution is easily accomplished with the Plug-in bridges. There are front connection spring cage terminal blocks available for multi-conductor connections

in the smallest possible space. The XBPT4TG disconnect terminal block accommodates component plugs for resistors, diodes, or capacitors, and fuse plugs with or without indication.

Product Selection

XBPT25MT
Knife Disconnect

Disconnect and Component Terminal Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Single Level Knife Disconnect						
5.2 mm	12 AWG/2.5 mm ²	400/16/28–12	600/16/26–12	Gray	50	XBPT25MT
6.2 mm	10 AWG/4 mm ²	400/16/28–10	300/6.3/24–10	Gray	50	XBPT4MT
Three-Wire Knife Disconnect						
5.2 mm	12 AWG/2.5 mm ²	400/16/28–12	600/16/26–12	Gray	50	XBPT25D12MT
Four-Wire Knife Disconnect						
5.2 mm	12 AWG/2.5 mm ²	400/16/28–12	600/16/26–12	Gray	50	XBPT25D22MT
Spring Cage Disconnect/Component Plug						
6.2 mm	10 AWG/4 mm ²	400/16/28–10	300/6.3/24–10	Gray	50	XBPT4TG
Component Plug						
6.2 mm	10 AWG/4 mm ²	400/16/28–10	300/6.3/24–10	Gray	10	XBPCO
Fuse Plug						
6.2 mm	10 AWG/4 mm ²	400/16/28–10	300/6.3/24–10	Black	10	XBPFU
Fuse Plug with Light Indicator for 12–30V, 1–2.5 mA						
6.2 mm	10 AWG/4 mm ²	400/16/28–10	300/6.3/24–10	Black	10	XBPFUL24
Fuse Plug with Light Indicator for 110–250V, 0.5–2.5 mA						
6.2 mm	10 AWG/4 mm ²	400/16/28–10	300/6.3/24–10	Black	10	XBPFUL250

Accessories

Spring Cage Connection Disconnect and Component Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBPT25MT Catalog Number	XBPT25D12MT Catalog Number	XBPT25D22MT Catalog Number	XBPT4MT Catalog Number	XBPT4TG Catalog Number
End cover	Gray	—	10	XBACPT25D12	XBACPT25D22	XBACPT25D22MT	③	③
End cover segment	Gray	—	10	—	XBACPT25	XBACPT25	—	—
Partition plate	—	—	—	XBATPTD12	XBATPTD22	—	XBATPT4	XBATPT4
Plug-in bridge—for cross connections in the terminal center	Red	2	10	XBAFBS25	XBAFBS25	XBAFBS25	XBAFBS26	XBAFBS26
		3	10	XBAFBS35	XBAFBS35	XBAFBS35	XBAFBS36	XBAFBS36
		5	10	XBAFBS55	XBAFBS55	XBAFBS55	XBAFBS56	XBAFBS56
		10	10	XBAFBS105	XBAFBS105	XBAFBS105	XBAFBS106	XBAFBS106
		50	10	XBAFBS505	XBAFBS505	XBAFBS505	XBAFBS506	XBAFBS506
Test adapter	—	—	10	XBATSPA14	XBATSPA14	XBATSPA14	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS_ ①	XBATSMPS_ ①	XBATSMPS_ ①	XBATSMPS_ ①	XBATSMPS_ ①
Modular test plug	—	—	10	XBATSPS5	XBATSPS5	XBATSPS5	XBATSPS6	XBATSPS6
Blank marker strip external labeling	White	—	10	XBMZBF5 ②	XBMZBF5 ②	XBMZBF5 ②	XBMZBF6 ②	XBMZBF6 ②
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5 ②	XBMZB5 ②	XBMZB5 ②	XBMZB6 ②	XBMZB6 ②

Notes

- ① For ordering information, see **Page V7-T42-105**.
- ② For information on Printed Marking Tag Options, see **Page V7-T42-98**.
- ③ XBPT4MT and XBPT4TG have an enclosed design. The use of an end cover is not required.

For additional accessories, see **Page V7-T42-90**.

Technical Data and Specifications

Spring Cage Connection Disconnect and Component Terminal Blocks, XBPT25MT, XBPT25D12MT and XBPT25D22MT

Description	XBPT25MT	XBPT25D12MT	XBPT25D22MT
Technical Data in Accordance with IEC			
Maximum load current in A/cross-section in mm ²	16/4	16/4	16/4
Rated surge voltage in kV/contamination class	6/3	6/3	6/3
Surge voltage category/insulating material group	III/1	III/1	III/1
Connection Capacity			
Stranded with ferrule with plastic sleeve in mm ²	0.25–2.5	0.25–2.5	0.25–2.5
Stranded with ferrules without plastic sleeve in mm ²	0.25–2.5	0.25–2.5	0.25–2.5
Stranded with twin ferrule with plastic sleeve in mm ²	0.5	0.5	0.5
Stripping length in inches (mm)	0.39 (10)	0.39 (10)	0.39 (10)

Spring Cage Connection Disconnect and Component Terminal Blocks, XBPT25D12MT and XBPT4TG

Description	XBPT4MT	XBPT4TG
Technical Data in Accordance with IEC		
Maximum load current in A/cross-section in mm ²	16/6	16/6
Rated surge voltage in kV/contamination class	6/3	6/3
Surge voltage category/insulating material group	III/1	III/1
Connection Capacity		
Stranded with ferrule with plastic sleeve in mm ²	0.25–4	0.25–4
Stranded with ferrules without plastic sleeve in mm ²	0.25–4	0.25–4
Stranded with twin ferrule with plastic sleeve in mm ²	0.5	0.5
Stripping length in inches (mm)	0.39 (10)	0.39 (10)

Dimensions

Approximate Dimensions in Inches (mm)

Spring Cage Connection Disconnect and Component Terminal Blocks

Catalog Number	Width	Length	Cover Length	Height for—	
				35 x 7.5 in	35 x 15 in
XBPT25MT	0.20 (5.2)	2.38 (60.5)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)
XBPT25D12MT	0.20 (5.2)	2.83 (72.0)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)
XBPT25D22MT	0.20 (5.2)	3.31 (84.0)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)
XBPT4MT	0.24 (6.2)	2.42 (61.5)	—	1.44 (36.5)	1.73 (44.0)
XBPT4TG	0.24 (6.2)	2.42 (61.5)	—	1.44 (36.5)	1.73 (44.0)

Hybrid Terminal Blocks



Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	V7-T42-32
Single Level—Ground Blocks	V7-T42-37
Multi-Conductor Terminal Blocks	V7-T42-39
Multi-Conductor Ground Blocks	V7-T42-42
Double Level Blocks	V7-T42-44
Triple Level Blocks	V7-T42-46
Fuse Terminal Blocks	V7-T42-48
Disconnect and Component Terminal Blocks	V7-T42-51
Hybrid Terminal Blocks	
Accessories	V7-T42-55
Technical Data and Specifications	V7-T42-55
Dimensions	V7-T42-55
Mini Spring Cage	V7-T42-56

Hybrid Terminal Blocks

Product Description

The XBPU spring cage hybrid terminal blocks offer the best of both worlds. One side offers a spring cage connection and the other side offers the universal screw connection. Use the spring

cage connection 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

XBPU25D12



Spring Cage Hybrid Terminal Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 with ...		IEC 60 947-7-2 with ...		UL-cUL Ratings with ...		Color	Std. Pack	Catalog Number
		Spring in V/A/AWG	Screw in V/A/AWG	Spring in V/A/AWG	Screw in V/A/AWG	Spring in V/A/AWG	Screw in V/A/AWG			
5.2 mm	12 AWG/ 2.5 mm ²	800/28/28-12	800/28/26-14	—	—	600/15/28-12	600/15/26-12	Gray	50	XBPU25D12

XBPU25D12PE



Spring Cage Hybrid Ground Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 with ...		IEC 60 947-7-2 with ...		UL-cUL Ratings with ...		Color	Std. Pack	Catalog Number
		Spring in V/A/AWG	Screw in V/A/AWG	Spring in V/A/AWG	Screw in V/A/AWG	Spring in V/A/AWG	Screw in V/A/AWG			
5.2 mm	12 AWG/ 2.5 mm ²	—	—	—/—/28-12	—/—/26-14	—/—/28-12	—/—/28-12	Green/ Yellow	50	XBPU25D12PE

Accessories

Spring Cage Hybrid Terminal/Ground Blocks

Description	Color	Number of Positions	Standard Pack	XBPU25D12	XBPU25D12PE
				Catalog Number	Catalog Number
End cover	Gray	—	10	XBACPU25D12	XBACPU25D12
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
		50	10	XBAFBS505	XBAFBS505
Test adapter	—	—	10	XBATSPAI4	—
2.3 mm diameter test plug	—	—	—	XBATSMPS- ^①	—
Modular test plug	—	—	10	XBATSPS5	—
Blank marker strip external labeling	White	—	10	XBMZBF5 ^②	XBMZBF5 ^②
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5 ^②	XBMZB5 ^②

Technical Data and Specifications

Spring Cage Hybrid Blocks

Description	XBPU25D12	XBPU25D12PE
Technical Data in Accordance with IEC		
Maximum load current in A/cross-section in mm ²	28/4	—
Rated surge voltage in kV/contamination class	8/3	8/3
Surge voltage category/insulating material group	III/1	III/1
Connection Capacity		
Stranded with ferrule with plastic sleeve in mm ²	0.25–2.5	0.25–2.5
Stranded with ferrules without plastic sleeve in mm ²	0.25–2.5	0.25–2.5
Stranded with twin ferrule with plastic sleeve in mm ²	0.5–1	0.5–1
Stripping length in inches (mm)	0.39 (10)	0.39 (10)

Dimensions

Approximate Dimensions in Inches (mm)

Spring Cage Hybrid Blocks

Catalog Number	Width	Length	Cover Length	Height for—	
				35 x 7.5 in	35 x 15 in
XBPU25D12	0.20 (5.2)	2.57 (65.3)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)
XBPU25D12PE	0.20 (5.2)	2.57 (65.3)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)

Notes

- ① For ordering information, see **Page V7-T42-105**.
 - ② For information on Printed Marking Tag Options, see **Page V7-T42-98**.
- For additional accessories, see **Page V7-T42-90**.

Mini Spring Cage



Contents

<i>Description</i>	<i>Page</i>
Single Level—Through-Feed	V7-T42-5
Single Level—Ground Blocks	V7-T42-10
Multi-Conductor Terminal Blocks	V7-T42-12
Multi-Conductor Ground Blocks	V7-T42-14
Double Level	V7-T42-16
Triple Level Sensor/Actuator	V7-T42-18
Fuse Terminal Blocks	V7-T42-21
Disconnect and Component Terminal Blocks	V7-T42-24
High Current Blocks	V7-T42-27
Mini Spring Cage	
Accessories	V7-T42-57
Technical Data and Specifications	V7-T42-57
Dimensions	V7-T42-57

Mini Spring Cage

Product Description

The **XB** miniature terminal blocks have a connection cross-section from 1.5 mm² through 4 mm² and mount on 15 mm DIN rail. There is an

opening for bridging with a fixed bridge in the center of the terminal blocks. These miniature terminal blocks also offer the same accessories

that you would find with the larger blocks—including marking tags, end covers, end stop and ground blocks.

Product Selection

XBMPK15



Mini Spring Cage Terminal Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	IEC 60 947-7-2 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	14 AWG/1.5 mm ²	800/24/26–14	—	600/15/26–14	Gray	50	XBMPK15
					Blue	50	XBMPK15BU

XBMPK15PE



Mini Spring Cage Ground Blocks

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	IEC 60 947-7-2 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	14 AWG/1.5 mm ²	—	—/—/26–14	—/—/26–14	Green/ Yellow	50	XBMPK15PE

XBMPKK15



Mini Spring Cage Terminal Blocks—Double Level

Terminal Width	Maximum Wire Size	IEC 60 947-7-1 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	14 AWG/1.5 mm ²	500/20/26–14	600/15/26–14	Gray	50	XBMPKK15

Accessories

Mini Spring Cage Terminal/Ground Blocks

Description	Color	Number of Positions	Standard Pack	XBMPK15 Catalog Number	XBMPK15PE Catalog Number	XBMPKK15 Catalog Number
End cover	Gray	—	10	XBACMPK15	XBACMPK15	XBACMPKK15
Fixed bridge	—	2	10	XBAFBR25N	—	XBAFBR25N
Separating plate	—	—	10	XBATMPKK15	—	XBATMPKK15
Blank marker strip	White	—	10	XBMZBF5 ^①	XBMZBF5 ^①	XBMZBF5 ^①

Technical Data and Specifications

Mini Spring Cage Terminal/Ground Blocks

Description	XBMPK15	XBMPK15PE	XBMPKK15
Technical Data in Accordance with IEC			
Maximum load current in A/cross-section in mm ²	24/2.5	—	20/2.5
Rated surge voltage in kV/contamination class	8/3	8/3	6/3
Surge voltage category/insulating material group	III/1	III/1	III/1
Connection Cross-Section			
Stranded with ferrule with plastic sleeve in mm ²	0.25–1.5	0.25–1.5	0.25–1.5
Stranded with ferrule without plastic sleeve in mm ²	0.25–1.5	0.25–1.5	0.25–1.5
Stranded with twin ferrule with plastic sleeve in mm ²	—	—	—
Stripping length in Inches (mm)	0.35 (9)	0.35 (9)	0.35 (9)

Dimensions

Approximate Dimensions in Inches (mm)

Mini Spring Cage Terminal/Ground Blocks

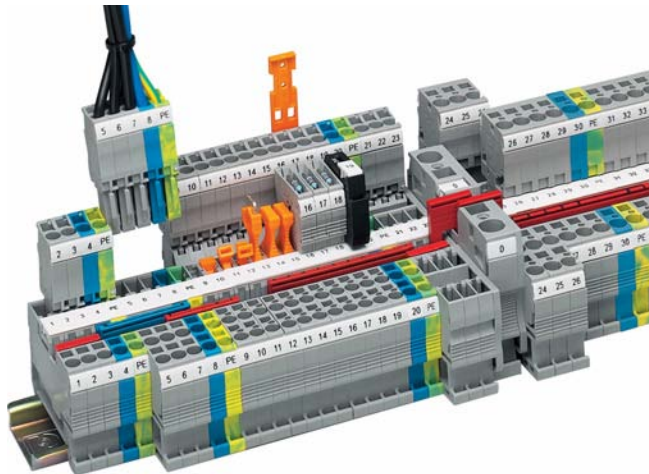
Catalog Number	Width	Length	Cover Length	Height for—		
				15 x 5.5 in	35 x 7.5 in	35 x 15 in
XBMPK15	0.20 (5.2)	1.57 (40.0)	0.04 (1.1)	1.36 (34.5)	—	—
XBMPK15PE	0.20 (5.2)	1.57 (40.0)	0.04 (1.1)	1.36 (34.5)	—	—
XBMPKK15	0.20 (5.2)	3.35 (85.0)	0.04 (1.1)	1.65 (42.0)	1.67 (42.5)	1.97 (50.0)

Notes

^① For information on Printed Marking Tag Options, see **Page V7-T42-98**.

For additional accessories, see **Page V7-T42-90**.

Pluggable Spring Cage Terminal Blocks



42

Contents

Description

Page

Pluggable Spring Cage Terminal Blocks	
Connection Terminal Blocks	V7-T42-59
Connection Plugs	V7-T42-62
Connection Receptacles	V7-T42-64
Connection Accessories	V7-T42-66



Drawings
Online

Pluggable Spring Cage Terminal Blocks Overview

Product Description

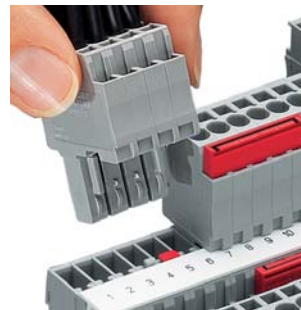
The pluggable spring cage connection terminal blocks allow signal and power wiring to be made pluggable. This complete pluggable system has a spring that provides maximum connection space in a space-saving design. The pluggable system accommodates stranded conductors with a nominal cross-section of 2.5 mm², with or without ferrules.

Application Description

For applications requiring pluggable wiring up to a rated current of 32A and a rated voltage of 800V. The integrated overspring meets the most stringent vibration requirements. Also ideal where safety is a concern and flexibility is required. The basic terminal blocks and the plugs are finger-safe, which also means the supply voltage can be input via either the terminal blocks or the plugs. With the XBAPSC receptacles, plug-in contacts can be accommodated safely in cable ducts and distributor shafts using minimal space. A test hole can accommodate a 2.3 mm diameter test plug in each receptacle, providing a practical solution. The XBAPSP plugs are intended for connecting one wire, while the XBAPSPDB plugs are designed to connect two wires and provide an optional bridge.

Features

- Space-saving design
- Powerful contact
- Finger-safe



Pluggability

Standards and Certifications

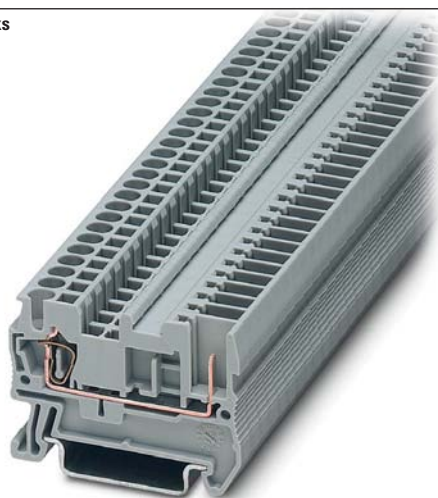
- UL recognized—File No. E67464
- CE approved
- LVD ①:
 - EN 60947-7-1
 - EN 60947-7-2
 - EN 60998-2-3
 - EN 60352-4/A1
- ATEX approval (Eex e applications)



Note

① Not all standards apply to all terminal blocks. Contact Eaton for details.

Connection Terminal Blocks



Contents

Description	Page
Connection Terminal Blocks	
Accessories	V7-T42-60
Technical Data and Specifications	V7-T42-60
Dimensions	V7-T42-61
Connection Plugs	V7-T42-62
Connection Receptacles	V7-T42-64
Connection Accessories	V7-T42-66

Connection Terminal Blocks

Product Description

Contact to the DIN rail is made by simply snapping the terminal block onto the rail.

These blocks act as the stationary position of the pluggable terminal blocks.

Product Selection

XBPT25P

Pluggable Spring Cage Connection Terminal Blocks



Terminal Width	Maximum Wire Size	IEC 61 984 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
Single Level						
5.2 mm	12 AWG/2.5 mm ²	500/24/28-12	300/20/26-12	Gray	50	XBPT25P
Three-Wire						
5.2 mm	12 AWG/2.5 mm ²	500/24/28-12	300/20/26-12	Gray	50	XBPT25PD12

Accessories

Pluggable Spring Cage Connection Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBPT25P Catalog Number	XBPT25PD12 Catalog Number
End cover	Gray	—	10	XBACPT25	XBACPT25D12
End cover segment	Gray	—	10	—	XBASPT25
Partition plate	—	—	10	XBATPT4	XBATPTD12
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
		50	10	XBAFBS505	XBAFBS505
Test adapter	—	—	10	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS- ^①	XBATSMPS- ^①
Modular test plug	—	—	10	XBATSPS5	XBATSPS5
Blank marker strip external labeling	White	—	10	XBMZBF5 ^②	XBMZBF5 ^②
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5 ^②	XBMZB5 ^②

Technical Data and Specifications

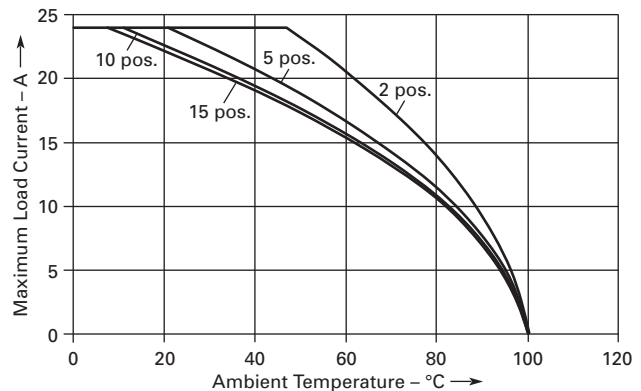
Pluggable Spring Cage Connection Terminal Blocks

Description	XBPT25P	XBPT25PD12
Technical Data in Accordance with IEC		
Maximum load current in A/cross-section in mm ²	24/4	24/4
Rated surge voltage in kV/contamination class	6/3	6/3
Surge voltage category/insulating material group	III/1	III/1
Connection Capacity		
Stranded with ferrule with plastic sleeve in mm ²	0.25–2.5	0.25–2.5
Stranded with ferrules without plastic sleeve in mm ²	0.25–2.5	0.25–2.5
Stranded with twin ferrule with plastic sleeve in mm ²	0.5	0.5
Stripping length in inches (mm)	0.39 (10)	0.39 (10)

Notes

- ① For ordering information, see [Page V7-T42-105](#).
 - ② For information on Printed Marking Tag Options, see [Page V7-T42-98](#).
- For additional accessories, see [Page V7-T42-90](#).

**Derating Curve for Pluggable Terminal Blocks
XBPT25P and XBPT25PD12**

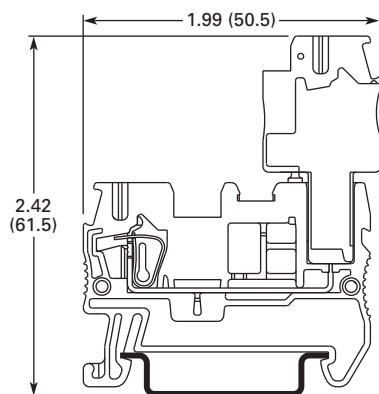
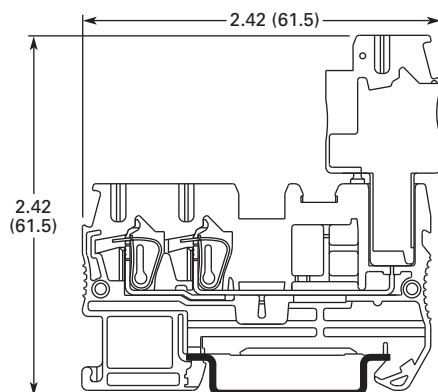


Dimensions

Approximate Dimensions in Inches (mm)

Pluggable Spring Cage Connection Terminal Blocks—Without Plug

Catalog Number	Width	Length	Cover Length	Height for—	
				35 x 7.5 in	35 x 15 in
XBPT25P	0.20 (5.2)	1.91 (48.5)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)
XBPT25PD12	0.20 (5.2)	2.38 (60.5)	0.09 (2.2)	1.44 (36.5)	1.73 (44.0)

XBPT25P**XBPT25PD12**

42.1

Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

Connection Plugs



42

Contents

<i>Description</i>	<i>Page</i>
Connection Terminal Blocks	V7-T42-59
Connection Plugs	
Accessories	V7-T42-63
Technical Data and Specifications	V7-T42-63
Dimensions	V7-T42-63
Connection Receptacles	V7-T42-64
Connection Accessories	V7-T42-66

Connection Plugs

Product Description

Just like the basic terminal blocks, the plugs also offer the perfect solution for every application. The XBAPSP25_ plugs are designed for

connecting one conductor. The XBAPSPDB25_ plug is designed for connecting two conductors and provides an additional bridging option.

Product Selection

XBAPSP25_

Spring Cage Connection Plugs, Single, Not Bridgeable



Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Number of Positions	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm ²	500/24/28–12	300/20/26–12	Gray	1	25	XBAPSP251
					2	25	XBAPSP252
					3	25	XBAPSP253
					4	25	XBAPSP254
					5	25	XBAPSP255
					6	25	XBAPSP256
					7	25	XBAPSP257
					8	25	XBAPSP258
					9	25	XBAPSP259
					10	25	XBAPSP2510
					11	10	XBAPSP2511
					12	10	XBAPSP2512

XBAPSPDB25

Spring Cage Connection Plugs, Double, Bridgeable



Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Number of Positions	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm ²	500/24/28–12	300/20/26–12	Gray	1	25	XBAPSPDB251
					2	25	XBAPSPDB252
					3	25	XBAPSPDB253
					4	25	XBAPSPDB254
					5	25	XBAPSPDB255
					6	25	XBAPSPDB256
					7	25	XBAPSPDB257
					8	25	XBAPSPDB258
					9	25	XBAPSPDB259
					10	25	XBAPSPDB2510
					11	10	XBAPSPDB2511
					12	10	XBAPSPDB2512

Accessories

Spring Cage Connection Plugs

Description	Color	Number of Positions	Standard Pack	XBAPSP25_ Catalog Number	XBAPSPDB25_ Catalog Number
Plug-in bridge—for cross connections in the terminal center	Red	2	10	—	XBAFBS25
		3	10	—	XBAFBS35
		5	10	—	XBAFBS55
		10	10	—	XBAFBS105
Snap-lock fitting and strain relief	Orange	2	10	XBAPPRZ	XBAPPRZ
Snap-lock fitting	Orange	1	10	XBAPPR	XBAPPR
	Orange	2	10	XBAPPR2	XBAPPR2
Strain relief	Black	2	10	XBAPPZ2	XBAPPD22
	Black	4	10	XBAPPZ4	XBAPPD24
Blank marker strip	White	—	10	XBMZBF5 ①	XBMZBF5 ①

Technical Data and Specifications

Spring Cage Connection Plugs

Description	XBAPSP25_	XBAPSPDB25_
Technical Data in Accordance with IEC		
Maximum load current in A/cross-section in mm ²	24/4	24/4
Rated surge voltage in kV/contamination class	6/3	6/3
Surge voltage category/insulating material group	III/1	III/1
Connection Capacity		
Stranded with ferrule with plastic sleeve in mm ²	0.25–2.5	0.25–2.5
Stranded with ferrules without plastic sleeve in mm ²	0.25–2.5	0.25–2.5
Stranded with twin ferrule with plastic sleeve in mm ²	0.5	0.5
Stripping length in inches (mm)	0.39 (10)	0.39 (10)

Dimensions

See **Page V7-T42-61** for dimensions.

Notes

① For information on Printed Marking Tag Options, see **Page V7-T42-98**.

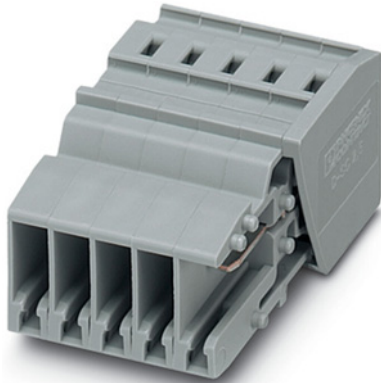
For additional accessories, see **Page V7-T42-90**.

42.1

Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

Connection Receptacles



42

Contents

<i>Description</i>	<i>Page</i>
Connection Terminal Blocks	V7-T42-59
Connection Plugs	V7-T42-62
Connection Receptacles	
Accessories	V7-T42-65
Technical Data and Specifications	V7-T42-65
Dimensions	V7-T42-65
Connection Accessories	V7-T42-66

Connection Receptacles

Product Description

With the XBAPSC25_ Plug-in contacts can be accommodated safely in cable ducts and distributor shafts without using much

space. The standard strain reliefs can also be used. Large-surface labeling makes it possible to mark the terminal points and the entire

receptacle. A test hole can accommodate a 2.3 mm diameter test plug in each receptacle element, providing a practical solution.

Product Selection

XBAPSC25_

Pluggable Spring Connection Receptacles



Terminal Width	Maximum Wire Size	Connection Data in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Number of Positions	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm ²	500/24/28–12	300/20/26–12	Gray	2	25	XBAPSC252
					3	25	XBAPSC253
					4	25	XBAPSC254
					5	25	XBAPSC255
					6	25	XBAPSC256
					7	25	XBAPSC257
					8	25	XBAPSC258
					9	25	XBAPSC259
					10	25	XBAPSC2510
					11	10	XBAPSC2511
					12	10	XBAPSC2512

Accessories

Pluggable Spring Connection Receptacles

Description	Color	Number of Positions	Standard Pack	XBAPSC25_ Catalog Number
2.3 mm diameter test plug	Red	—	—	XBATSMPS_- ^①
Strain relief	Black	2	10	XBAPPDZ2
	Black	4	10	XBAPPDZ4
Blank marker strip	White	—	10	XBMZBF5 ^②

Technical Data and Specifications

Spring Cage Connection Plugs

Description	XBAPSP25_
Technical Data in Accordance with IEC	
Maximum load current in A/cross-section in mm ²	24/4
Rated surge voltage in kV/contamination class	6/3
Surge voltage category/insulating material group	III/I
Connection Capacity	
Stranded with ferrule with plastic sleeve in mm ²	0.25–2.5
Stranded with ferrules without plastic sleeve in mm ²	0.25–2.5
Stranded with twin ferrule with plastic sleeve in mm ²	0.5
Stripping length in inches (mm)	0.39 (10)

Dimensions

Approximate Dimensions in Inches (mm)

Spring Cage Connection Plugs

Catalog Number	Width	Length	Cover Length	Height
XBAPSP25_	0.20 (5.2)	1.46 (37.2)	0.09 (2.2)	0.71 (18.0)

Receptacle Widths

Catalog Number	Width	Catalog Number	Width
XBAPSC252	0.41 (10.4)	XBAPSC258	1.64 (41.6)
XBAPSC253	0.61 (15.6)	XBAPSC259	1.84 (46.8)
XBAPSC254	0.82 (20.8)	XBAPSC2510	2.05 (52.0)
XBAPSC255	1.02 (26.0)	XBAPSC2511	2.25 (57.2)
XBAPSC256	1.23 (31.2)	XBAPSC2512	2.46 (62.4)
XBAPSC257	1.43 (36.4)		

Notes

① For ordering information, see **Page V7-T42-105**.

② For information on Printed Marking Tag Options, see **Page V7-T42-98**.

For additional accessories, see **Page V7-T42-90**.

42.1

Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

Connection Accessories

Product Description





The pluggable XBPT series features an extensive range of application-oriented accessories. Strain reliefs are available for the plugs and

can be snapped on at the required points as an option. The snap-lock fitting can be used for all plug variants. It is snapped into the outside of

the plug housing as an option and hooks onto the terminal block housing when the plug is snapped on.

Product Selection

Pluggable Spring Cage Connection Accessories

	Description	Number of Positions	Standard Pack	Catalog Number
XBAPPZ2 	Strain relief for single plugs	2	10	XBAPPZ2
		4	10	XBAPPZ4
XBAPPDZ4 	Strain relief for double plugs and receptacles	2	10	XBAPPDZ2
		4	10	XBAPPDZ4
XBAPPR2 	Snap-lock fitting for plugs	1	10	XBAPPR
		2	10	XBAPPR2
XBAPPRZ 	Snap-lock fitting and strain relief for plugs	2	10	XBAPPRZ

Strain Relief



Snap-Lock Fitting



Optional Accessory Recommendations

Number of Positions Receptacle	Strain Relief
2–4	XBAPPZ2
5–10	XBAPPZ4 or (2) XBAPPZ2
11–15	(2) XBAPPZ4 or (4) XBAPPZ2

IDC Terminal Blocks



Contents

Description

Page

IDC Terminal Blocks	
Single Level	V7-T42-68
Multi-Conductor	V7-T42-70
Double Level	V7-T42-73
Fuse Terminal Blocks	V7-T42-75
Disconnect and Component Terminal Blocks	V7-T42-77
Hybrid Terminal Blocks	V7-T42-79

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 mm² 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

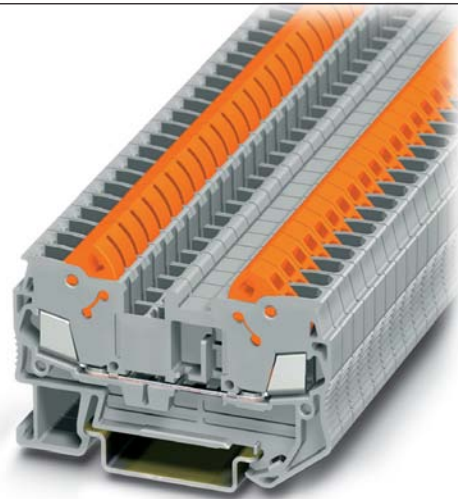
- UL recognized—File No. E67464
- CE approved
- LVD ^①
 - EN 60947-7-1
 - EN 60947-7-2
 - EN 60998-2-3
 - EN 60352-4/A1
- ATEX approval (Eex e applications)



Note

- ^① Not all standards apply to all terminal blocks. Contact Eaton for details.

Single Level



Contents

Description	Page
Single Level	
Accessories	V7-T42-69
Technical Data and Specifications	V7-T42-69
Dimensions	V7-T42-69
Multi-Conductor	V7-T42-70
Double Level	V7-T42-73
Fuse Terminal Blocks	V7-T42-75
Disconnect and Component Terminal Blocks	V7-T42-77
Hybrid Terminal Blocks	V7-T42-79

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 ²	800/17.5/24–16	550/16/24–16	600/10/24–16	Gray	50	XBQT15
					Blue	50	XBQT15BU
6.2 mm	14 AWG/2.5 mm ²	800/24/20–14	—	600/15/20–14	Gray	50	XBQT25
					Blue	50	XBQT25BU

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 ²	—/—/24–16	—/—/24–16	—/—/24–16	Green/Yellow	50	XBQT15PE
6.2 mm	14 AWG/2.5 mm ²	—/—/20–14	—	—/—/20–14	Green/Yellow	50	XBQT25PE

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	XBACQT15	XBACQT25	XBACQT15	XBACQT25
Partition plate	—	—	10	XBATQT25	XBATQT25	XBATQT25	XBATQT25
Plug-in bridge	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	XBATSPA14	XBATSPA14	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS-^①	XBATSMPS-^①	XBATSMPS-^①	XBATSMPS-^①
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS5	XBATSPS6
Blank marker strip center and external marking	White	—	10	XBMZBF5^②	XBMZBF6^②	XBMZBF5^②	XBMZBF6^②
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5^②	XBMZB6^②	XBMZB5^②	XBMZB6^②

Technical Data and Specifications

IDC—Single Level Terminal/Ground Blocks

Description	XBQT15	XBQT25	XBQT15PE	XBQT25PE
Technical Data in Accordance with IEC				
Maximum load current in A/cross-section in mm ²	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
Connection Cross-Section				
Core insulation	PVC/PE	PVC/PE	PVC/PE	PVC/PE
Single/multiple/fine strand in mm ²	1.5	2.5	1.5	2.5
Halogen-free in mm ²	1.5	2.5	1.5	2.5
Fine strand/superfine strand in AWG (mm ²)	24–16 (0.25–0.34)	20–14 (—)	24–16 (0.25–0.34)	20–14 (—)
Repeated connections minimum 100 x in mm ²	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
XBQT15	0.20 (5.2)	2.31 (58.8)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
XBQT25	0.24 (6.2)	2.46 (62.6)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
XBQT15PE	0.20 (5.2)	2.31 (58.8)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
XBQT25PE	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-T42-105**.② For information on Printed Marking Tag Options, see **Page V7-T42-98**.For additional accessories, see **Page V7-T42-90**.

Multi-Conductor



Contents

Description	Page
Single Level	V7-T42-68
Multi-Conductor	
Accessories	V7-T42-71
Technical Data and Specifications	V7-T42-72
Dimensions	V7-T42-72
Double Level	V7-T42-73
Fuse Terminal Blocks	V7-T42-75
Disconnect and Component Terminal Blocks	V7-T42-77
Hybrid Terminal Blocks	V7-T42-79

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 ²	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 ²	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 ²	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 ²	—/—/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 ^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 ²	—/—/24–16	—/—/24–16	—/—/24–16	Green/Yellow	50	XBQT15D12PE
6.2 mm	14 AWG/2.5 mm ²	—/—/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- ^②	XBATSMPS- ^②	XBATSMPS- ^②
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS5
Blank marker strip center and external marking	White	—	10	XBMZBF5 ^③	XBMZBF6 ^③	XBMZBF5 ^③
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5 ^③	XBMZB6 ^③	XBMZB5 ^③

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- ^②	XBATSMPS- ^②	XBATSMPS- ^②
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS5
Blank marker strip center and external marking	White	—	10	XBMZBF5 ^③	XBMZBF6 ^③	XBMZBF5 ^③
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5 ^③	XBMZB6 ^③	XBMZB5 ^③

Notes

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

^② For ordering information, see [Page V7-T42-105](#).

^③ For information on Printed Marking Tag Options, see [Page V7-T42-98](#).

For additional accessories, see [Page V7-T42-90](#).

Technical Data and Specifications

IDC—Multi-Conductor Terminal Blocks

Description	XBQT15D12	XBQT25D12	XBQT15D12PE	XBQT25D12PE	XBQT15D22	XBQT15D22PE
Technical Data in Accordance with IEC						
Maximum load current in A/cross-section in mm ²	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
Connection Cross-Section						
Core insulation	PVC/PE	PVC/PE	PVC/PE	PVC/PE	PVC/PE	PVC/PE
Single/multiple/fine strand in mm ²	1.5	2.5	1.5	2.5	1.5	1.5
Halogen-free in mm ²	1.5	2.5	1.5	2.5	1.5	1.5
Fine strand/superfine strand in AWG (mm ²)	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 ²	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
XBQT15D12	0.20 (5.2)	3.01 (76.4)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
XBQT25D12	0.24 (6.2)	3.25 (82.5)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)
XBQT15D12PE	0.20 (5.2)	3.01 (76.4)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
XBQT25D12PE	0.20 (5.2)	3.25 (82.5)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)
XBQT15D22	0.20 (5.2)	3.70 (94.0)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)
XBQT15D22PE	0.20 (5.2)	3.70 (94.0)	0.09 (2.2)	1.55 (39.3)	1.84 (46.8)

Double Level



Contents

Description	Page
Single Level	V7-T42-68
Multi-Conductor	V7-T42-70
Double Level	
Accessories	V7-T42-74
Technical Data and Specifications	V7-T42-74
Dimensions	V7-T42-74
Fuse Terminal Blocks	V7-T42-75
Disconnect and Component Terminal Blocks	V7-T42-77
Hybrid Terminal Blocks	V7-T42-79

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 ²	800/17.5/24–16	420/15/24–16	600/10/24–16	Gray	50	XBQTT15
					Blue	50	XBQTT15BU

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 ²	—/—/24–16	—/—/24–16	—/—/24–16	Green/Yellow	50	XBQTT15PE

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- ^①	XBATSMPS- ^①
Modular test plug	—	—	10	XBATSPS5	XBATSPS5
Blank marker strip	White	—	10	XBMZBF5 ^②	XBMZBF5 ^②

Technical Data and Specifications

IDC—Double Level Terminal/Ground Blocks

Description	XBQTT15	XBQTT15PE
Technical Data in Accordance with IEC		
Maximum load current in A/cross-section in mm ²	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
Connection Cross-Section		
Core insulation	PVC/PE	PVC/PE
Single/multiple/fine strand in mm ²	1.5	1.5
Halogen-free in mm ²	1.5	1.5
Fine strand/superfine strand in AWG (mm ²)	24–16 (0.25–0.34)	24–16 (0.25–0.34)
Repeated connections minimum 100 x in mm ²	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-T42-105](#).

② For information on Printed Marking Tag Options, see [Page V7-T42-98](#).

For additional accessories, see [Page V7-T42-90](#).

Fuse Terminal Blocks



Contents

Description	Page
Single Level	V7-T42-68
Multi-Conductor	V7-T42-70
Double Level	V7-T42-73
Fuse Terminal Blocks	
Accessories	V7-T42-76
Technical Data and Specifications	V7-T42-76
Dimensions	V7-T42-76
Disconnect and Component Terminal Blocks	V7-T42-77
Hybrid Terminal Blocks	V7-T42-79

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
IDC Fuse Terminal Blocks						
6.2 mm	14 AWG/2.5 mm ²	①/6.3/20–14	300/15/20–14	Black	50	XBQT25FBE
IDC Fuse Terminal Blocks with LED 12–30V, 1–2.5 mA						
6.2 mm	14 AWG/2.5 mm ²	①/6.3/20–14	300/15/20–14	Black	50	XBQT25FBEL24
IDC Fuse Terminal Blocks with LED 30–60V, 0.8–2.0 mA						
6.2 mm	14 AWG/2.5 mm ²	①/6.3/20–14	300/15/20–14	Black	50	XBQT25FBEL60
IDC Fuse Terminal Blocks with LED 110–250V, 0.5–2.5 mA						
6.2 mm	14 AWG/2.5 mm ²	①/6.3/20–14	300/15/20–14	Black	50	XBQT25FBEL250

Note

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

Accessories

IDC—Fuse Terminal Blocks

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

Technical Data and Specifications

IDC—Fuse Terminal Blocks

Description	XBQT25FBE
Technical Data in Accordance with IEC	
Maximum load current in A/cross-section in mm ²	6.3/2.5
Rated surge voltage in kV/contamination class	4/3
Surge voltage category/insulating material group	III/I
Connection Cross-Section	
Core insulation	PVC/PE
Single/multiple/fine strand in mm ²	2.5
Halogen-free in mm ²	2.5
Fine strand/superfine strand in AWG (mm ²)	24–14 (—)
Repeated connections minimum 100 x in mm ²	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
XBQT25FBE	0.24 (6.2)	3.25 (82.5)	0.09 (2.2)	1.69 (42.8)	1.98 (50.3)

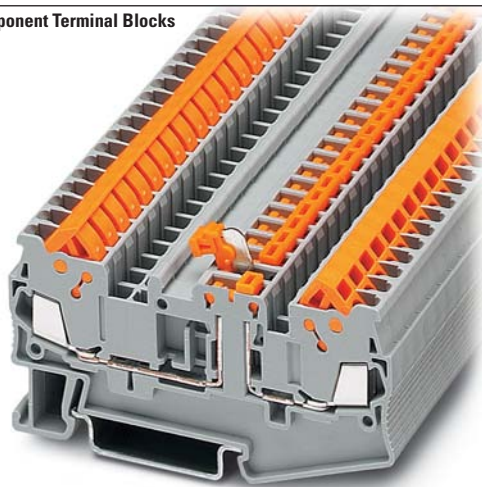
Notes

^① For ordering information, see **Page V7-T42-105**.

^② For information on Printed Marking Tag Options, see **Page V7-T42-98**.

For additional accessories, see **Page V7-T42-90**.

Disconnect and Component Terminal Blocks



Contents

Description	Page
Single Level	V7-T42-68
Multi-Conductor	V7-T42-70
Double Level	V7-T42-73
Fuse Terminal Blocks	V7-T42-75
Disconnect and Component Terminal Blocks	
Accessories	V7-T42-78
Technical Data and Specifications	V7-T42-78
Dimensions	V7-T42-78
Hybrid Terminal Blocks	V7-T42-79

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
Knife Disconnect								
5.2 mm	16 AWG/1.5 mm ²	400/16/24–16	600/10/24–16	—	—	Gray	50	XBQT15MT
Component Disconnect								
5.2 mm	16 AWG/1.5 mm ²	400/16/24–16	600/10/24–16	—	—	Gray	50	XBQT15TG
6.2 mm	14 AWG/2.5 mm ²	400/16/20–14	300/10/20–14	—	—	Gray	50	XBQT25TG
Component Plug								
6.2 mm	10 AWG/4 mm ²	500/16/26–10	—	600/16/26–10	300/16/26–10	Gray	10	XBPCO
Fuse Plug								
6.2 mm	10 AWG/4 mm ²	500/16/26–10	—	600/16/26–10	300/16/26–10	Black	10	XBPFU
Fuse Plug with Light Indicator for 12–30V, 1–2.5 mA								
6.2 mm	10 AWG/4 mm ²	500/16/26–10	—	600/16/26–10	300/16/26–10	Black	10	XBPFUL24
Fuse Plug with Light Indicator for 110–250V, 0.5–2.5 mA								
6.2 mm	10 AWG/4 mm ²	500/16/26–10	—	600/16/26–10	300/16/26–10	Black	10	XBPFUL250

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_ ^①	XBATSMPS_ ^①	XBATSMPS_ ^①
Modular test plug	—	—	10	XBATSPS5	XBATSPS5	XBATSPS5
Blank marker strip center and external marking	White	—	10	XBMZBF5 ^②	XBMZBF5 ^②	XBMZBF6 ^②
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB5 ^②	XBMZB5 ^②	XBMZB6 ^②

Technical Data and Specifications

IDC—Disconnect and Component Terminal Blocks

Description	XBQT15MT	XBQT15TG	XBQT25TG
Technical Data in Accordance with IEC			
Maximum load current in A/cross-section in mm ²	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
Connection Cross-Section			
Core insulation	PVC/PE	PVC/PE	PVC/PE
Single/multiple/fine strand in mm ²	1.5	1.5	2.5
Halogen-free in mm ²	1.5	1.5	2.5
Fine strand/superfine strand in AWG (mm ²)	24–16 (0.25–0.34)	24–16 (0.25–0.34)	20–14 (—)
Repeated connections minimum 100 x in mm ²	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-T42-105](#).② For information on Printed Marking Tag Options, see [Page V7-T42-98](#).For additional accessories, see [Page V7-T42-90](#).

Hybrid Terminal Blocks



Contents

<i>Description</i>	<i>Page</i>
Single Level	V7-T42-68
Multi-Conductor	V7-T42-70
Double Level	V7-T42-73
Fuse Terminal Blocks	V7-T42-75
Disconnect and Component Terminal Blocks	V7-T42-77
Hybrid Terminal Blocks	
Accessories	V7-T42-80
Technical Data and Specifications	V7-T42-81
Dimensions	V7-T42-81

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 ²	800/17.5/26–12	800/17.5/24–16	600/10/26–12	600/10/24–16	Gray	50	XBQU15
6.2 mm	10 AWG/4 mm ²	800/24/26–10	800/24/20–14	600/15/26–10	600/15/20–14	Gray	50	XBQU25

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 ²	800/17.5/26–12	800/17.5/24–16	800/10/26–12	800/10/24–16	Gray	50	XBQU15D12
6.2 mm	10 AWG/4 mm ²	800/24/26–10	800/24/20–14	600/15/26–10	600/15/20–14	Gray	50	XBQU25D12

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 ²	—/—/26–12	—/—/24–16	—/—/26–12	—/—/24–16	Gray	50	XBQU15PE
6.2 mm	10 AWG/4 mm ²	—/—/26–10	—/—/20–14	—/—/26–10	—/—/20–14	Gray	50	XBQU25PE

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	XBATSPA14	XBATSPA14	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS- ^①	XBATSMPS- ^①	XBATSMPS- ^①	XBATSMPS- ^①
Modular test plug	—	—	10	XBATSPS5	XBATSPS6	XBATSPS5	XBATSPS6
Blank marker strip center and external marking	White	—	10	XBMZBF5 ^②	XBMZBF6 ^②	XBMZBF5 ^②	XBMZBF6 ^②
Blank marker strip center labeling (strip of 10)	—	—	—	XBMZB5 ^②	XBMZB6 ^②	XBMZB5 ^②	XBMZB6 ^②

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	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS- ^①	XBATSMPS- ^①
Modular test plug	—	—	10	XBATSPS5	XBATSPS6
Blank marker strip center and external marking	White	—	10	XBMZBF5 ^②	XBMZBF6 ^②
Blank marker strip center labeling (strip of 10)	—	—	—	XBMZB5 ^②	XBMZB6 ^②

Notes

^① For ordering information, see [Page V7-T42-105](#).

^② For information on Printed Marking Tag Options, see [Page V7-T42-98](#).

For additional accessories, see [Page V7-T42-90](#).

Technical Data and Specifications

Screw Connection Single Level—Through-Feed

Description	XBQU15	XBQU25	XBQU15PE	XBQU25PE	XBQU15D12	XBQU25D12
Technical Data in Accordance with IEC						
Maximum load current in A/cross-section in mm ²	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
Connection Cross-Section						
Core insulation	PVC/PE	PVC/PE	PVC/PE	PVC/PE	PVC/PE	PVC/PE
Single/multiple/fine strand in mm ²	1.5	2.5	1.5	2.5	1.5	2.5
Halogen-free in mm ²	1.5	2.5	1.5	2.5	1.5	2.5
Fine strand/superfine strand in AWG (mm ²)	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 ²	0.25–1.5	0.5–2.5	0.25–1.5	0.5–2.5	0.25–1.5	0.5–2.5
Connection Capacity—Screw Connection						
Stranded with ferrule/with ferrule and plastic sleeve in mm ²	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
Multi-Conductor Connection (same cross-section)						
Solid/stranded in mm ²	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 ²	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 ²	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)

Miniature Circuit Breakers



42

Contents

Description

Page

Miniature Circuit Breakers	
Circuit Breakers.	V7-T42-83
Flat-Type Fuse Terminal Blocks.	V7-T42-86
Spring Cage Fuse Terminal Blocks	V7-T42-88

Miniature Circuit Breakers Overview

Product Description

The new **XB** Series thermal miniature circuit breaker offers convenient overload protection. This space-saving single-pole circuit breaker, available up to 10 amps, can be inserted into a screw connection fuse terminal block, XBUK6FSI, or a spring cage fuse terminal block, XBPT4FSI, which is available with or without light indication. The XBATCP combines the

reclosing capability of a circuit breaker with the overload protection of a fuse. The integrated switching function makes it possible to switch the circuit breaker back on immediately, guaranteeing system availability. The device can also be used for switching purposes, as an ON/OFF switch. The Plug-in design allows for quick and efficient replacement.

Standards and Certifications

- UL and cUL recognized
- UL 1077—File No. E301915
- CE approved



Circuit Breakers



Contents

<i>Description</i>	<i>Page</i>
Circuit Breakers	
Accessories	V7-T42-84
Technical Data and Specifications	V7-T42-84
Time/Current Curve	V7-T42-85
Dimensions	V7-T42-85
Flat-Type Fuse Terminal Blocks	V7-T42-86
Spring Cage Fuse Terminal Blocks	V7-T42-88

Circuit Breakers

Product Description

The thermal miniature circuit breaker can be switched back on again, has a compact design, and is available

in 10 finely graded steps for nominal currents from 0.1 to 10A.

Product Selection

XBAT

Thermal Miniature Circuit Breaker



Connection Data in Vac/Vdc	Nominal Current	Color	Standard Pack	Catalog Number
250/65	0.1A	Black	20	XBATCPT
	0.25A	Black	20	XBATCPQ
	0.5A	Black	20	XBATCPH
	1.0A	Black	20	XBATCP1
	2.0A	Black	20	XBATCP2
	3.0A	Black	20	XBATCP3
	4.0A	Black	20	XBATCP4
	6.0A	Black	20	XBATCP6
	8.0A	Black	20	XBATCP8
	10.0A	Black	20	XBATCP10

Accessories

Thermal Miniature Circuit Breaker

Description	Color	Number of Positions	Standard Pack	XBAT Catalog Number
Blank marker strip	White	—	10	XBZBF5 ①
Flat type terminal blocks	—	—	—	XBK6FSI XBK6FSIL12 XBK6FSIL24 XBPT4FSI XBPT4FSIL12 XBPT4FSIL24

Technical Data and Specifications

Thermal Miniature Circuit Breaker

Description	XBAT
Technical Data in Accordance with IEC	
Nominal voltage in Vac/Vdc	250/65
Nominal current in A	0.25–10
Ambient temperature	–4 to 140°F (–20 to 60°C)
Maximum Power Dissipation	
Rated surge voltage in kV/contamination class	2.5/2
Surge voltage category/insulating material group	III/1
Switching Capacity	
Cycles with 1 x I _N (low-induction)	6000
Cycles with 1 x I _N (induction)	3000
Cycles with 2 x I _N (induction)	500
Switching Capacity I CN	
For nominal currents of 0.25–4A/6–10A	6 x I _N /8 x I _N
Switching capacity (UL 1077) 250 Vac/65 Vdc	2000/200

Nominal Currents and Internal Resistances

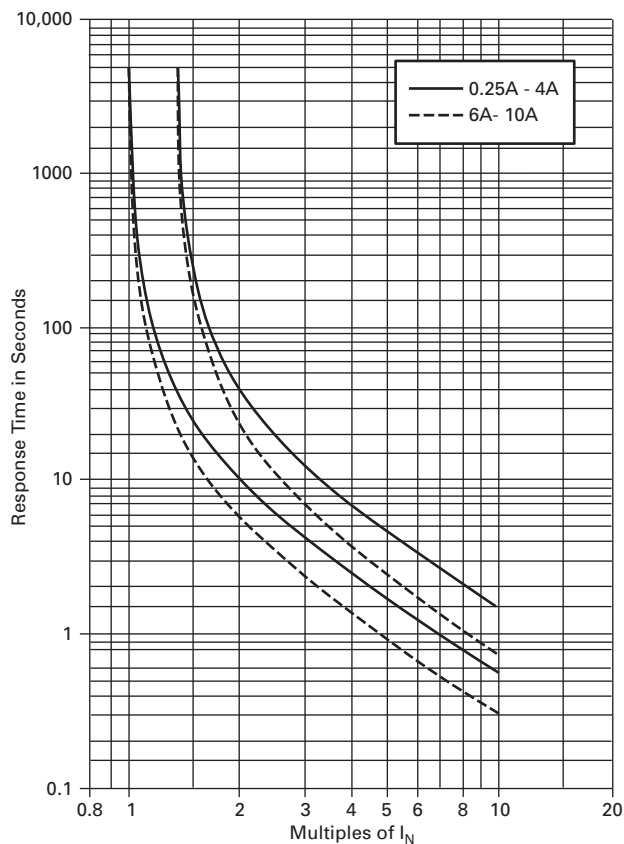
Nominal Current (A)	Internal Resistance (3/4)
0.25	14
0.5	3.4
1.0	0.9
2.0	0.25
3.0	0.11
4.0	0.07
6.0	≤ 0.05
8.0	≤ 0.05
10.0	≤ 0.05

Note

① For information on Printed Marking Tag Options, see **Page V7-T42-98**.

Time/Current Curve

Total Switch-Off Period for Nominal Current, 73.4°F (23°C)



Note: When mounted in rows, the nominal current of the devices can only be transmitted at 80% or must be correspondingly over-dimensioned.

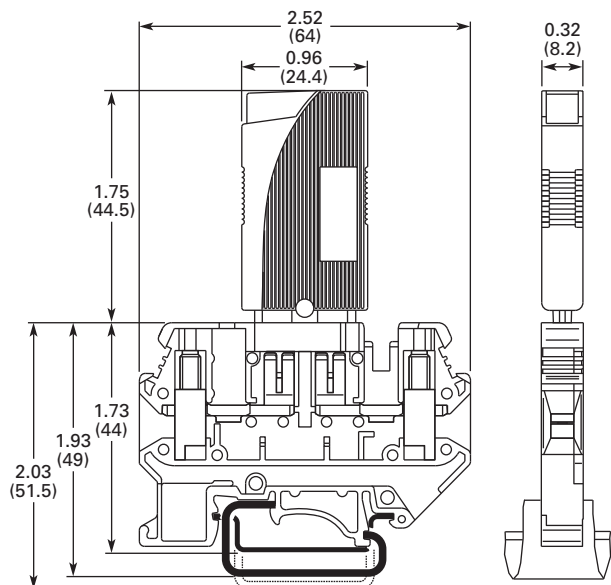
Temperature Factor

Ambient Temperature	Temperature Factor
-4°F (-20°C)	0.76
14°F (-10°C)	0.84
32°F (0°C)	0.91
73.4°F (23°C)	1.00
104°F (40°C)	1.08
122°F (50°C)	1.16
140°F (60°C)	1.24

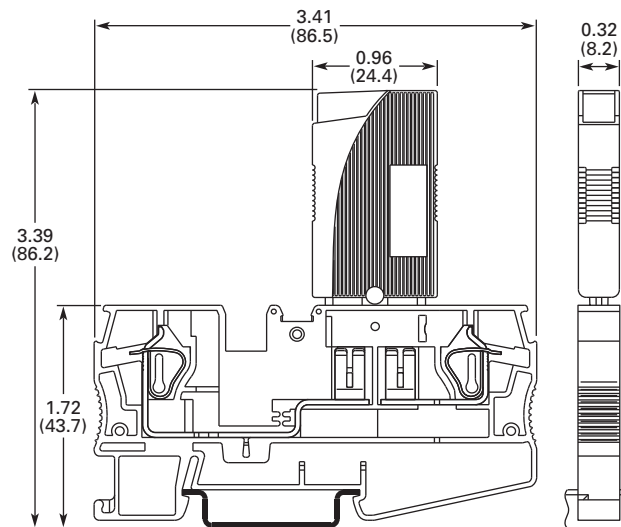
Dimensions

Approximate Dimensions in Inches (mm)

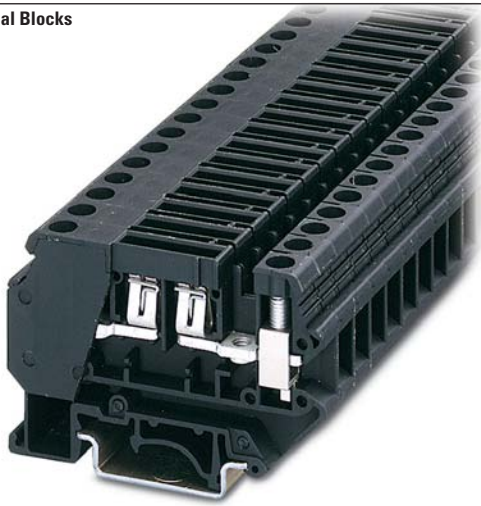
XBUK6FSI with XBAT



XBPT4FSI with XBAT



Flat-Type Fuse Terminal Blocks



Contents

<i>Description</i>	<i>Page</i>
Circuit Breakers	V7-T42-83
Flat-Type Fuse Terminal Blocks	
Accessories	V7-T42-86
Technical Data and Specifications	V7-T42-87
Dimensions	V7-T42-87
Spring Cage Fuse Terminal Blocks	V7-T42-88

Flat-Type Fuse Terminal Blocks

Product Description

The fuse terminal blocks can be used as a basic terminal blocks for the XBAT overload miniature circuit breaker, see **Page V7-T42-83**.

Product Selection

XBUK6FSI



Screw Connection Flat-Type 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
Flat-Type Fuse Terminal Block						
8.2 mm	8 AWG/6 mm ²	250/—/24–8	300/30/26–8	Black	50	XBUK6FSI
Flat-Type Fuse Terminal Block with LED, Red 12 Vdc, 2.0 mA						
8.2 mm	8 AWG/6 mm ²	250/—/24–8	300/30/26–8	Black	50	XBUK6FSIL12
Flat-Type Fuse Terminal Block with LED, Red 24 Vdc, 2.0 mA						
8.2 mm	8 AWG/6 mm ²	250/—/24–8	300/30/26–8	Black	50	XBUK6FSIL24

Accessories

Flat-Type Fuse Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBUK6FSI Catalog Number	XBUK6FSIL_ Catalog Number
Blank marker strip	White	—	10	XBMZB8 ①	XBMZB8 ①

Note

① For information on Printed Marking Tag Options, see **Page V7-T42-98**.

Technical Data and Specifications

Flat-Type Fuse Terminal Blocks

Description	XBUK6FSI	XBUK6FSIL ₂
Technical Data in Accordance with IEC		
Fuse type ISO	C	C
Maximum current with single arrangement in A	30	30
Maximum Power Dissipation		
Rated surge voltage in kV/contamination class	4/3	4/3
Surge voltage category/insulating material group	III/1	III/1
Connection Capacity		
Stranded with ferrule with plastic sleeve in mm ²	0.25–4	0.25–4
Stranded with ferrule without plastic sleeve in mm ²	0.25–6	0.25–6
Stranded with twin ferrule with plastic sleeve in mm ²	—	—
Multi-Conductor Connection (same cross-section)		
Solid/stranded in mm ²	0.2–2.5/0.2–2.5	0.2–2.5/0.2–2.5
Stranded with ferrules without plastic sleeve in mm ²	0.25–2.5	0.25–2.5
Stranded with twin ferrule with plastic sleeve in mm ²	0.5–4.0	0.5–4.0
Stripping length in inches (mm)	0.39 (10)	0.39 (10)
Thread	M4	M4
Torque in in-lb (Nm)	13.3–14.2 (1.5–1.6)	13.3–14.2 (1.5–1.6)

Dimensions

Approximate Dimensions in Inches (mm)

Flat-Type Fuse Terminal Blocks

Catalog Number	Width	Length	Height for—		
			32 in	35 x 7.5 in	35 x 15 in
XBUK6FSI	0.32 (8.2)	2.91 (74.0)	2.24 (57.0)	2.05 (52.0)	2.34 (59.5)
XBUK6FSIL12	0.32 (8.2)	2.91 (74.0)	2.24 (57.0)	2.05 (52.0)	2.34 (59.5)
XBUK6FSIL24	0.32 (8.2)	2.91 (74.0)	2.24 (57.0)	2.05 (52.0)	2.34 (59.5)

Spring Cage Fuse Terminal Blocks



Contents

<i>Description</i>	<i>Page</i>
Circuit Breakers	V7-T42-83
Flat-Type Fuse Terminal Blocks	V7-T42-86
Spring Cage Fuse Terminal Blocks	
Accessories	V7-T42-88
Technical Data and Specifications	V7-T42-89
Dimensions	V7-T42-89

Spring Cage Fuse Terminal Blocks

Product Description

Flat-type fuses or the XBAT miniature circuit breaker (see **Page V7-T42-83**) can be used as the fuse element in these XBPT

Spring Cage Fuse Terminal Blocks. Terminal blocks with a light indicator are available for quick error diagnosis.

Product Selection

XBPT4FSI

Spring Cage 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
Spring Cage Fuse Terminal Block						
8.2 mm	10 AWG/4 mm ²	400/30/28–10	300/30/24–10	Black	50	XBPT4FSI
Spring Cage Fuse Terminal Block with LED, Red 12 Vdc, 2.0 mA						
8.2 mm	10 AWG/4 mm ²	400/30/28–10	300/30/24–10	Black	50	XBPT4FSIL12
Spring Cage Fuse Terminal Block with LED, Red 24 Vdc, 2.0 mA						
8.2 mm	10 AWG/4 mm ²	400/30/28–10	300/30/24–10	Black	50	XBPT4FSIL24

Accessories

Flat-Type Fuse Terminal Blocks

Description	Color	Number of Positions	Standard Pack	XBPT4FSI Catalog Number	XBPT4FSIL_ Catalog Number
Test adapter	—	—	10	XBATSPA14	XBATSPA14
2.3 mm diameter test plug	—	—	—	XBATSMPS-^①	XBATSMPS-^①
Modular test plug	—	—	10	XBATSPS8	XBATSPS8
Blank marker strip center and external marking	White	—	10	XBMZBF8^②	XBMZBF8^②
Blank marker strip center labeling (strip of 10)	White	—	10	XBMZB8^②	XBMZB8^②

Notes

- ① For ordering information, see **Page V7-T42-105**.
- ② For information on Printed Marking Tag Options, see **Page V7-T42-98**.

Technical Data and Specifications

Flat-Type Fuse Terminal Blocks

Description	XBPT4FSI	XBPT4FSIL_
Technical Data in Accordance with IEC		
Fuse type ISO	C	C
Maximum current with single arrangement in A	30	30
Maximum Power Dissipation		
Rated surge voltage in kV/contamination class	6/3	6/3
Surge voltage category/insulating material group	III/1	III/1
Connection Capacity		
Stranded with ferrule with plastic sleeve in mm ²	0.25–4	0.25–4
Stranded with ferrule without plastic sleeve in mm ²	0.25–4	0.25–4
Stranded with twin ferrule with plastic sleeve in mm ²	0.5	0.5
Stripping length in inches (mm)	0.39 (10)	0.39 (10)

Dimensions

Approximate Dimensions in Inches (mm)

Flat-Type Fuse Terminal Blocks

Catalog Number	Width	Length	Height for—	
			35 x 7.5 in	35 x 15 in
XBPT4FSI	0.32 (8.2)	3.41 (86.5)	1.71 (43.5)	2.01 (51.0)
XBPT4FSIL12	0.32 (8.2)	3.41 (86.5)	1.71 (43.5)	2.01 (51.0)
XBPT4FSIL24	0.32 (8.2)	3.41 (86.5)	1.71 (43.5)	2.01 (51.0)