

# 8.1

## Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

Single Level—Through-Feed



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### 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 mm<sup>2</sup> up to 35 mm<sup>2</sup>. 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 in V/A/AWG	UL-cUL Ratings in V/A/AWG	Color	Standard Pack	Catalog Number
5.2 mm	12 AWG/2.5 mm <sup>2</sup>	800/31/28–12	550/25/21/24–12	600/20/26–12	Gray	50	<b>XBPT25</b>
					Blue	50	<b>XBPT25BU</b>
					White	50	<b>XBPT25WH</b>
					Red	50	<b>XBPT25RD</b>
					Black	50	<b>XBPT25BK</b>
6.2 mm	10 AWG/4 mm <sup>2</sup>	800/40/28–10	550/34/30/24–10	600/30/20–10	Gray	50	<b>XBPT4</b>
					Blue	50	<b>XBPT4BU</b>
8.2 mm	8 AWG/6 mm <sup>2</sup>	800/52/24–8	550/45/36/20–8	600/50/20–8	Gray	50	<b>XBPT6</b>
					Blue	50	<b>XBPT6BU</b>
10.2 mm	6 AWG/10 mm <sup>2</sup>	800/65/24–6	550/50/63/16–6	600/65/16–6	Gray	50	<b>XBPT10</b>
					Blue	50	<b>XBPT10BU</b>
12 mm	4 AWG/16 mm <sup>2</sup>	800/90/24–4	550/65/82/16–4	600/50/16–4	Gray	50	<b>XBPT16</b>
					Blue	50	<b>XBPT16BU</b>
16 mm	2 AWG/35 mm <sup>2</sup>	800/125/14–2	750/108/14–2	600/115/14–2	Gray	10	<b>XBPT35</b>
					Blue	10	<b>XBPT35BU</b>

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### 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	—	50	<b>XBACPT25</b>	<b>XBACPT4</b>	<b>XBACPT6</b>
Partition plate	Gray	—	50	<b>XBATPT4</b>	<b>XBATPT4</b>	<b>XBATPT6</b>
Plug-in bridge—for cross connections in the bridge shaft	Red	2	10	<b>XBAFBS25</b>	<b>XBAFBS26</b>	<b>XBAFBS28</b>
		3	50	<b>XBAFBS35</b>	<b>XBAFBS36</b>	—
		5	50	<b>XBAFBS55</b>	<b>XBAFBS56</b>	—
		10	10	<b>XBAFBS105</b>	<b>XBAFBS106</b>	—
		50	10	<b>XBAFBS505</b>	<b>XBAFBS506</b>	—
Test adapter	—	—	10	<b>XBATSPAI4</b>	<b>XBATSPAI4</b>	<b>XBATSPAI4</b>
2.3 mm diameter test plug	—	—	—	<b>XBATSMPS-<sup>①</sup></b>	<b>XBATSMPS-<sup>①</sup></b>	<b>XBATSMPS-<sup>①</sup></b>
Modular test plug	—	—	10	<b>XBATSPS5</b>	<b>XBATSPS6</b>	<b>XBATSPS8</b>
Blank marker strip external labeling	White	—	10	<b>XBMZBF5<sup>②</sup></b>	<b>XBMZBF6<sup>②</sup></b>	<b>XBMZBF8<sup>②</sup></b>
Blank marker strip center labeling (strip of 10)	White	—	10	<b>XBMZB5<sup>②</sup></b>	<b>XBMZB6<sup>②</sup></b>	<b>XBMZB8<sup>②</sup></b>

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

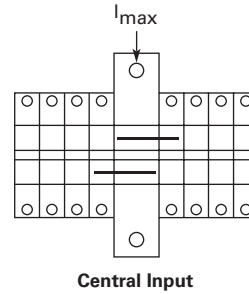
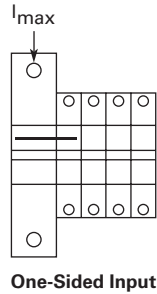
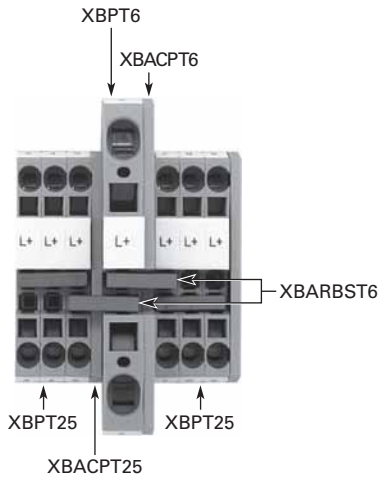
Description	Color	Number of Positions	Standard Pack	XBPT10 Catalog Number	XBPT16 Catalog Number	XBPT35 Catalog Number
End cover	Gray	—	50	<b>XBACPT10</b>	<b>XBACPT16</b>	<sup>③</sup>
Plug-in bridge—for cross connections in the bridge shaft	Red	2	10	<b>XBAFBS210</b>	<b>XBAFBS212<sup>①</sup></b>	<b>XBAFBS216<sup>②</sup></b>
2.3 mm diameter test plug	—	—	10	<b>XBATSMPS-<sup>①</sup></b>	<b>XBATSMPS-<sup>①</sup></b>	<b>XBATSMPS-<sup>①</sup></b>
Blank marker strip external labeling	White	—	10	<b>XBMZF10<sup>②</sup></b>	<b>XBMZBF12<sup>②</sup></b>	<b>XBMZBF15<sup>②</sup></b>
Blank marker strip center labeling (strip of 10)	White	—	10	<b>XBMZB10<sup>②</sup></b>	<b>XBMZB12<sup>②</sup></b>	<b>XBMZB15<sup>②</sup></b>

#### Notes

- ① For ordering information, see **Page V7-T8-103**.
- ② For information on Printed Marking Tag Options, see **Page V7-T8-98**.
- ③ XBPT35 has an enclosed design. The use of an end cover is not required.

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

## 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 <sup>2</sup> )	One-Sided Input $I_{max}$	Central Input $I_{max}$	Bridge Catalog Number
XBPT6	8 AWG (6 mm <sup>2</sup> )	XBPT25	12 (2.5)	40	56	<b>XBARBST6</b>
		XBPT4	10 (4)	45	56	<b>XBARBST6</b>
		XBQT15	14 (1.5)	35	56	<b>XBARBST6</b>
		XBQT25	12 (2.5)	40	56	<b>XBARBST6</b>
XBPT10	6 AWG (10 mm <sup>2</sup> )	XBPT25	12 (2.5)	40	65	<b>XBARBST10</b>
		XBPT4	10 (4)	45	65	<b>XBARBST10</b>
		XBQT15	14 (1.5)	35	65	<b>XBARBST10</b>
		XBQT25	12 (2.5)	40	65	<b>XBARBST10</b>
XBPT16	4 AWG (16 mm <sup>2</sup> )	XBPT25	12 (2.5)	40	80	<b>XBARBST16</b>
		XBPT4	10 (4)	45	90	<b>XBARBST16</b>
		XBQT15	14 (1.5)	35	70	<b>XBARBST16</b>
		XBQT25	12 (2.5)	40	80	<b>XBARBST16</b>

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## Terminal Blocks, Fuse Blocks and Fuse Holders

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### Technical Data and Specifications

#### Spring Cage Connection Single Level—Through-Feed

Description	XBPT25	XBPT4	XBPT6	XBPT10	XBPT16	XBPT35
<b>Technical Data in Accordance with IEC</b>						
Maximum load current in A/cross-section in mm <sup>2</sup>	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
<b>Connection Capacity</b>						
Stranded with ferrule/with ferrule and plastic sleeve in mm <sup>2</sup>	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 <sup>2</sup>	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 <sup>2</sup>	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.