Feed-Through Spring Cage Terminal Blocks

XBPT Series

CE UL RoHS

✔ **Vibration-Resistance**
✔ **Global Acceptance**
✔ **Flexible Plug-In Bridge System**
✔ **Large Surface Area for Marking**
✔ **Standardized Testing System**

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, and 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.

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.

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.

XBPT25

XBPT Series shown with plug-in bridges and ground terminal block

All models shown smaller than actual size.

SPECIFICATIONS FOR XBPT25 SERIES

Terminal Width: 5.2 mm (0.20")
Maximum Wire Size: 12 AWG/2.5 mm²
IEC 60 947-7-1 in V/A/AWG: 800/32/28-12
EN 50 019 in V/A/AWG: 550/25 or 21/24-12
UL-cUL Ratings in V/A/AWG: 600/20/26-12

TECHNICAL DATA DIMENSIONS
Width/Length/Cover Width in mm (in): 5.2 (0.20)/48.5 (1.91)/2.2 (0.09)
Height for 35 x 7.5/35 x 15 in mm (in): 36.8 (1.45)/44.0 (1.73)

TECHNICAL DATA IN ACCORDANCE WITH IEC
Maximum Load Current in A/Cross Section in mm²: 31/4
Rated Surge Voltage in kV/Contamination Class: 8/3
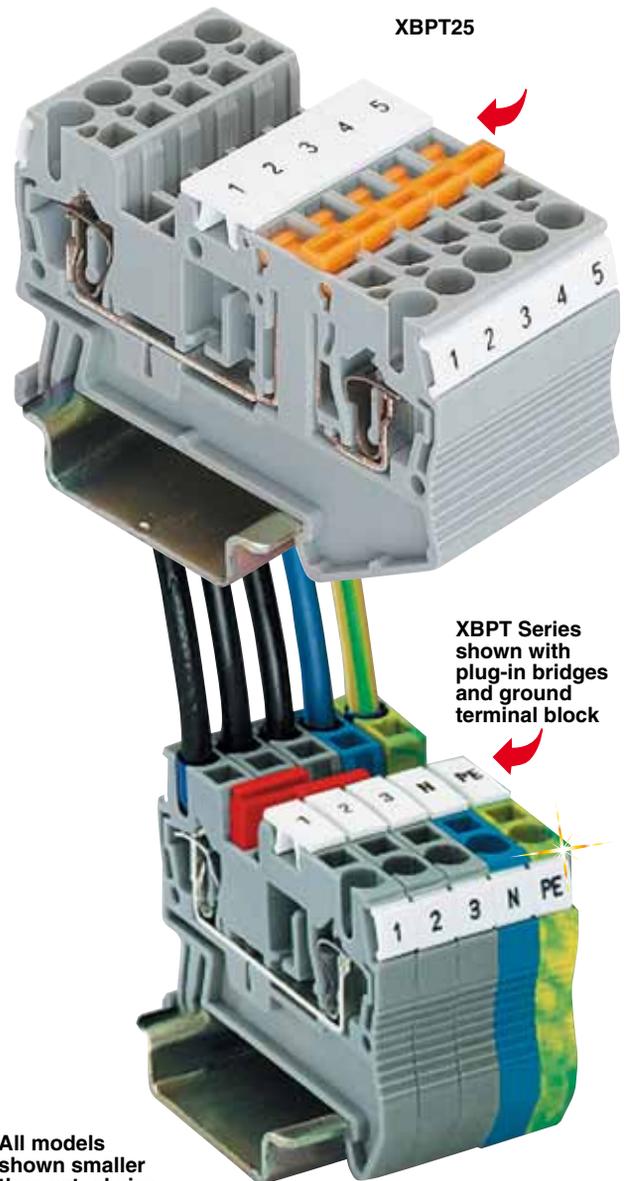**Surge Voltage Category/Insulating Material Group:** III/I

CONNECTION CAPACITY
Stranded with Ferrule with Plastic Sleeve in mm²: 0.25 to 2.5
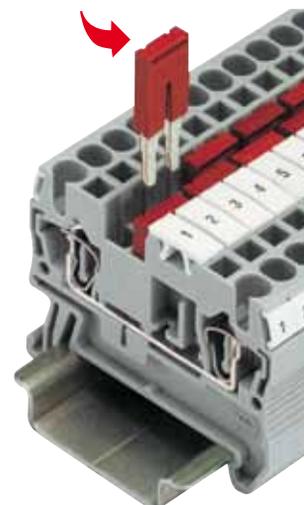**Stranded with Ferrules without Plastic Sleeve in mm²:** 0.25 to 2.5
Stranded with Twin Ferrule with Plastic Sleeve in mm²: 0.5
Stripping Length in mm (in): 10 (0.39)

XBAFBS212

To Order

MODEL NO.	DESCRIPTION
XBPT25	Gray, 5.2 mm (0.21") spring clip TB 28 to 12 AWG
XBPT25BU	Blue, 5.2 mm (0.21") spring clip TB 28 to 12 AWG
XBPT25WH	White, 5.2 mm (0.21") spring clip TB 28 to 12 AWG
XBPT25RD	Red, 5.2 mm (0.21") spring clip TB 28 to 12 AWG
XBPT25BK	Black, 5.2 mm (0.21") spring clip TB 28 to 12 AWG
ACCESSORIES	
XBACPT25	Gray end cover
XBATPT4	Partition plate
XBAFBS25	Red 2 position plug-in bridge for XBPT25 Series
XBAFBS35	Red 3 position plug-in bridge for XBPT25 Series
XBAFBS55	Red 5 position plug-in bridge for XBPT25 Series
XBAFBS105	Red 10 position plug-in bridge for XBPT25 Series
XBAFBS505	Red 50 position plug-in bridge for XBPT25 Series
XBATSPAI4	Test adaptor
XBMZBF5	White blank marker strip external labeling
XBMZB5	White blank marker strip center labeling
XBANS3575P	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6') slotted
XBANS3575U	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6') solid
XBANS3515P	DIN rail 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6') slotted
XBANS3515U	DIN rail 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6') solid
XBAES35C	1-screw mounted end stop
XBAES35T	3-screw mounted end stop
XBAES35N	Snap-on end stop

Ordering Examples: **XBPT25,** *spring clip terminal block,* **XBACPT25,** *end cover,* **XBANS3575P,** *DIN rail.*

XBPT25RD, *red spring clip terminal block,* **XBACPT25,** *end cover,* **XBMZB5,** *blank marker strip,* **XBANS3575P,** *DIN rail.*

SPECIFICATIONS FOR XBPT4 SERIES

Terminal Width: 6.2 mm (0.24")
Maximum Wire Size: 10 AWG/4 mm^2
IEC 60 947-7-1 in V/A/AWG: 800/40/28-10
EN 50 019 in V/A/AWG: 550/34 or 30/24-10
UL-cUL Ratings in V/A/AWG: 600/30/20-10

TECHNICAL DATA DIMENSIONS
Width/Length/Cover Width in mm (in):
6.2 (0.24)/56.0 (2.20)/2.2 (0.09)
Height for 35 x 7.5/35 x 15 in mm (in):
36.8 (1.45)/44.0 (1.73)

TECHNICAL DATA IN ACCORDANCE WITH IEC
Maximum Load Current in A/Cross-Section in mm^2: 40/6
Rated Surge Voltage in kV/Contamination Class: 8/3
Surge Voltage Category/Insulating Material Group: III/I

CONNECTION CAPACITY
Stranded with Ferrule/with Plastic Sleeve in mm^2:
0.25 to 4
Stranded with Ferrules without Plastic Sleeve in mm^2:
0.25 to 4
Stranded with Twin Ferrule with Plastic Sleeve in mm^2:
0.5 to 1
Stripping Length in mm (in): 10 (0.39)

To Order

MODEL NO.	DESCRIPTION
XBPT4	Gray, 6.2 mm (0.24") spring clip TB 28 to 10 AWG
XBPT4BU	Blue, 6.2 mm (0.24") spring clip TB 28 to 10 AWG
ACCESSORIES	
XBACPT4	Gray end cover
XBATPT4	Partition plate
XBAFBS26	Red 2 position plug-in bridge for XBPT4 Series
XBAFBS36	Red 3 position plug-in bridge for XBPT4 Series
XBAFBS56	Red 5 position plug-in bridge for XBPT4 Series
XBAFBS106	Red 10 position plug-in bridge for XBPT4 Series
XBAFBS506	Red 50 position plug-in bridge for XBPT4 Series
XBATSPAI4	Test adaptor
XBMZBF6	White blank marker strip external labeling
XBMZB6	White blank marker strip center labeling
XBANS3575P	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6') slotted
XBANS3575U	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6') solid
XBANS3515P	DIN rail 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6') slotted
XBANS3515U	DIN rail 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6') solid
XBAES35C	1-screw mounted end stop
XBAES35T	3-screw mounted end stop
XBAES35N	Snap-on end stop

Ordering Examples: **XBPT4,** *spring clip terminal block,* **XBACPT4,** *end cover,* **XBANS3575P,** *DIN rail.*

XBPT4BU, *blue spring clip terminal block,* **XBACPT4,** *end cover,* **XBMZB6,** *blank marker strip,* **XBANS3575P,** *DIN rail.*

SPECIFICATIONS FOR XBPT6 SERIES

Terminal Width: 8.2 mm (0.32")
Maximum Wire Size: 8 AWG/6 mm^2
IEC 60 947-7-1 in V/A/AWG: 800/52/24-8
EN 50 019 in V/A/AWG: 550/45 or 36/20-8
UL-cUL Ratings in V/A/AWG: 600/50/24-8

TECHNICAL DATA DIMENSIONS
Width/Length/Cover Width in mm (in):
8.2 (0.32)/69.5 (2.74)/2.2 (0.09)
Height for 35 x 7.5/35 x 15 in mm (in):
43.5 (1.71)/51.0 (2.01)

TECHNICAL DATA IN ACCORDANCE WITH IEC
Maximum Load Current in A/ Cross-Section in mm^2: 52/10
Rated Surge Voltage in kV/Contamination Class: 8/3
Surge Voltage Category/Insulating Material Group: III/I

CONNECTION CAPACITY
Stranded with Ferrule with Plastic Sleeve in mm^2: 0.25 to 6
Stranded with Ferrules without Plastic Sleeve in mm^2: 0.25 to 6
Stranded with Twin Ferrule with Plastic Sleeve in mm^2: 0.5 to 1.5
Stripping Length in mm (in): 12 (0.47)

To Order

MODEL NO.	DESCRIPTION
XBPT6	Gray, 8.2 mm (0.32") spring clip TB 24 to 8 AWG
XBPT6BU	Blue, 8.2 mm (0.32") spring clip TB 24 to 8 AWG
ACCESSORIES	
XBACPT6	Gray end cover
XBAFBS28	Plug-in bridge for cross connection in the terminal center for XBPT6 Series
XBATSPAI4	Test adaptor
XBMZBF8	White blank marker strip external labeling
XBMZB8	White blank marker strip center labeling
XBANS3575P	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6') slotted
XBANS3575U	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6') solid
XBANS3515P	DIN rail 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6') slotted
XBANS3515U	DIN rail 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6') solid
XBAES35C	1-screw mounted end stop
XBAES35T	3-screw mounted end stop
XBAES35N	Snap-on end stop

Ordering Examples: XBPT6, spring clip terminal block, XBACPT6, end cover, XBANS3575P, DIN rail.

XBPT6BU, blue spring clip terminal block, XBACPT6, end cover, XBMZB8, blank marker strip, XBANS3575P, DIN rail.

SPECIFICATIONS FOR XBPT10 SERIES

Terminal Width: 10.2 mm (0.40")
Maximum Wire Size: 6 AWG/10 mm^2
IEC 60 947-7-1 in V/ A/AWG: 800/65/24-6
EN 50 019 in V/A/AWG: 550/50 or 63/16-6
UL-cUL Ratings in V/A/AWG: 600/65/16-6

TECHNICAL DATA DIMENSIONS
Width/Length/Cover Width in mm (in):
10.0 (0.39)/71.5 (2.81)/2.2 (0.09)
Height for 35 x 7.5/35 x 15 in mm (in): 50.5 (1.99)/58.5(2.30)

TECHNICAL DATA IN ACCORDANCE WITH IEC
Maximum Load Current in A/Cross-Section in mm^2: 65/16
Rated Surge Voltage in kV/Contamination Class: 8/3
Surge Voltage Category/Insulating Material Group: III/I

CONNECTION CAPACITY
Stranded with Ferrule with Plastic Sleeve in mm^2: 0.25 to 10
Stranded with Ferrules without Plastic Sleeve in mm^2: 0.25 to 6
Stranded with Twin Ferrule with Plastic Sleeve in mm^2: 1.5 to 2.5
Stripping Length in mm (in): 18 (0.71)

To Order

MODEL NO.	DESCRIPTION
XBPT10	Gray, 10.2 mm (0.40") spring clip TB 24 to 6 AWG
XBPT10BU	Blue, 10.2 mm (0.40") spring clip TB 24 to 6 AWG
ACCESSORIES	
XBACPT10	Gray end cover
XBAFBS210	Plug-in bridge for cross connection in the terminal center for XBPT10 Series
XBMZBF10	White blank marker strip external labeling
XBMZB10	White blank marker strip center labeling
XBANS3575P	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6') slotted
XBANS3575U	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6') solid
XBANS3515P	DIN rail 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6') slotted
XBANS3515U	DIN rail 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6') solid
XBAES35C	1-screw mounted end stop
XBAES35T	3-screw mounted end stop
XBAES35N	Snap-on end stop

Ordering Examples: XBPT10, spring clip terminal block, XBACPT10, end cover, XBANS3575P, DIN rail.

XBPT10BU, blue spring clip terminal block, XBACPT10, end cover, XBMZB10, blank marker strip, XBANS3575P, DIN rail.

SPECIFICATIONS FOR XBPT16 SERIES
Terminal Width: 12 mm (0.47")
Maximum Wire Size: 4 AWG/16 mm²
IEC 60 947-7-1 in V/A/AWG: 800/90/24-4
EN 50 019 in V/A/AWG: 550/65 or 82/16-6
UL-cUL Ratings in V/A/AWG: 600/50/16-4

TECHNICAL DATA DIMENSIONS
Width/Length/Cover Width in mm (in):
12 (0.47)/80 (3.15)/2.2 (0.09)
Height for 35 x 7.5/35 x 15 in mm (in):
51.0(2.01)/58.5 (2.30)

TECHNICAL DATA IN ACCORDANCE WITH IEC
Maximum Load Current in A/Cross-Section in mm²: 90/25
Rated Surge Voltage in kV/ Contamination Class: 8/3
Surge Voltage Category/Insulating Material Group: III/I

CONNECTION CAPACITY
Stranded with Ferrule/with Ferrule and Plastic Sleeve in mm²: 0.25 to 16
Stranded with Ferrules without Plastic Sleeve in mm²: 0.25 to 16
Stranded with Twin Ferrule with Plastic Sleeve in mm²: 1.5 to 4
Stripping Length in mm (in): 18 (0.71)

To Order

Model No.	Description
XBPT16	Gray, 12 mm (0.47") spring clip TB 24 to 4 AWG
XBPT16BU	Blue, 12 mm (0.47") spring clip TB 24 to 4 AWG
Accessories	
XBACPT16	Gray end cover
XBAFBS212	Plug-in bridge for cross connection in the terminal center for XBPT16 Series
XBANS3575P	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6') slotted
XBANS3575U	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6') solid
XBANS3515P	DIN rail 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6') slotted
XBANS3515U	DIN rail 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6') solid
XBAES35C	1-screw mounted end stop
XBAES35T	3-screw mounted end stop
XBAES35N	Snap-on end stop

*Ordering Examples: **XBPT16,** spring clip terminal block, **XBACPT16,** end cover, **XBANS3575P,** DIN rail.*
***XBPT16BU,** blue spring clip terminal block, **XBACPT16,** end cover, **XBAFBS212,** plug-in bridge, **XBANS3575P,** DIN rail.*

SPECIFICATIONS FOR XBPT35 SERIES
Terminal Width: 16 mm (0.62")
Maximum Wire Size: 2 AWG/35 mm²
IEC 60 947-7-1 in V/A/AWG: 800/125/14-2
EN 50 0191 in V/A/AWG: 750/108/14-2
UL-cUL Ratings in V/A/AWG: 600/115/14-2

TECHNICAL DATA DIMENSIONS
Width/Length/Cover Width in mm (in): 16.0 (0.63)/100 (3.94)/-
Height for 35 x 7.5/35 x 15 in mm (in): 59 (2.32)/66.5 (2.62)

TECHNICAL DATA IN ACCORDANCE WITH IEC
Maximum Load Current in A/ Cross-Section in mm²: 125/35
Rated Surge Voltage in kV/ Contamination Class: 8/3
Surge Voltage Category/Insulating Material Group: III/I

CONNECTION CAPACITY
Stranded with Ferrule with Plastic Sleeve in mm²: 2.5 to 35
Stranded with Ferrules without Plastic Sleeve in mm²: 2.5 to 35
Stranded with Twin Ferrule with Plastic Sleeve in mm²: 2.5 to 10
Stripping Length in mm (in): 25 (0.98)

To Order

Model No.	Description
XBPT35	Gray, 16 mm (0.62") spring clip TB 14 to 2 AWG
XBPT35BU	Blue, 16 mm (0.62") spring clip TB 14 to 2 AWG
Accessories	
XBAFBS216	Plug-in bridge for cross connection in the terminal center for XBPT35 Series
XBANS3575P	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6') slotted
XBANS3575U	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6.6') solid
XBANS3515P	DIN rail 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6') slotted
XBANS3515U	DIN rail 35 x 15 mm x 2 m (1.4 x 0.60" x 6.6') solid
XBAES35C	1-screw mounted end stop
XBAES35T	3-screw mounted end stop
XBAES35N	Snap-on end stop

*Ordering Examples: **XBPT35,** spring clip terminal block **XBAFBS216,** plug-in bridge, **XBANS3575P,** DIN rail.*
***XBPT35BU,** blue spring clip terminal block, **XBAFBS216,** plug-in bridge, **XBAES35N,** snap-on end stop, **XBANS3575P,** DIN rail.*