Terminal Blocks, Fuse Blocks and Fuse Holders

Screw Connection

Spring Cage

Insulation Displacement Connection

42.1 IEC—*XB* Series

IEC—***XB*** Series Overview **T42-2**
Screw Connection Terminal Blocks **T42-4**
Spring Cage Terminal Blocks **T42-31**
Pluggable Spring Cage Connection Terminal Blocks **T42-58**
IDC Terminal Blocks **T42-67**
Miniature Circuit Breakers **T42-82**
XB Series Accessories **T42-90**

42.2 NEMA

NEMA Overview **T42-106**
C381 Series Terminal Blocks, Rail Mounted **T42-107**
TB Series Terminal Blocks, Modular **T42-111**

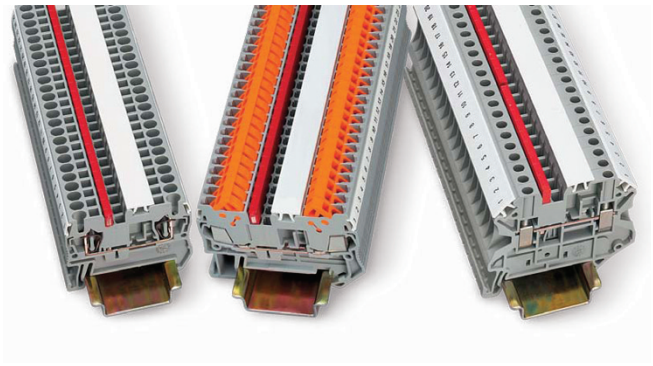
42.3 Power Distribution

Power Distribution Overview **T42-116**
CHDB Series—Power Distribution Blocks **T42-117**
CH160 Series—Power Terminal Blocks **T42-123**
Power Terminal Block Accessories **T42-126**

42.4 Fuse Blocks and Fuse Holders

Fuse Blocks and Fuse Holders Overview **T42-128**
C383 Series Disconnect Fuse Holders **T42-129**
C350 Series Fuse Blocks and W Series Fuse Holders **T42-131**

IEC—*XB* Series



Contents

Description	*Page*
IEC—***XB*** Series	
Screw Connection Terminal Blocks	**T42-4**
Spring Cage Terminal Blocks	**T42-31**
Pluggable Spring Cage Connection Terminal Blocks	**T42-58**
IDC Terminal Blocks	**T42-67**
Miniature Circuit Breakers	**T42-82**
XB Series Accessories	**T42-90**

42

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.

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 (Eex e applications)

Note

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