

8.1

Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

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

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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

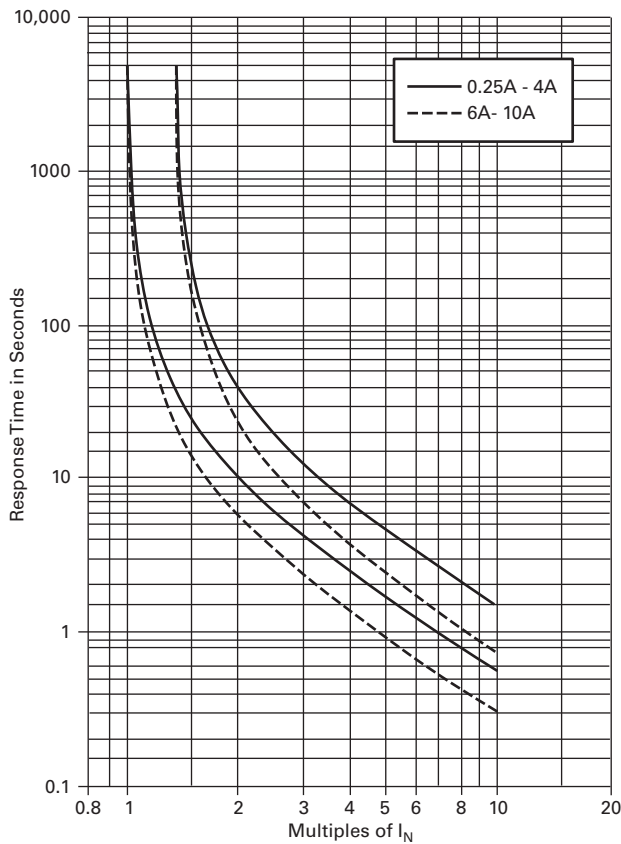
Nominal Current (A)	Internal Resistance (3/4)
0.25	14
0.5	3.4
1.0	0.9
2.0	0.25
3.0	0.11
4.0	0.07
6.0	≤0.05
8.0	≤0.05
10.0	≤0.05

Note

① For information on Printed Marking Tag Options, see **Page V7-T8-98**.

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.

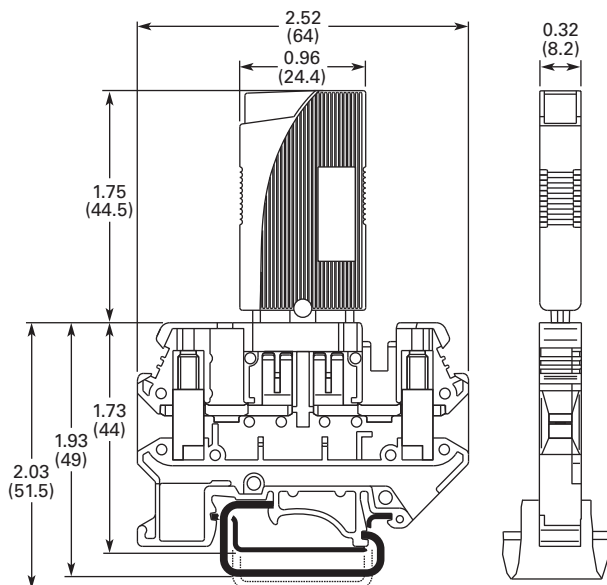
Temperature Factor

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

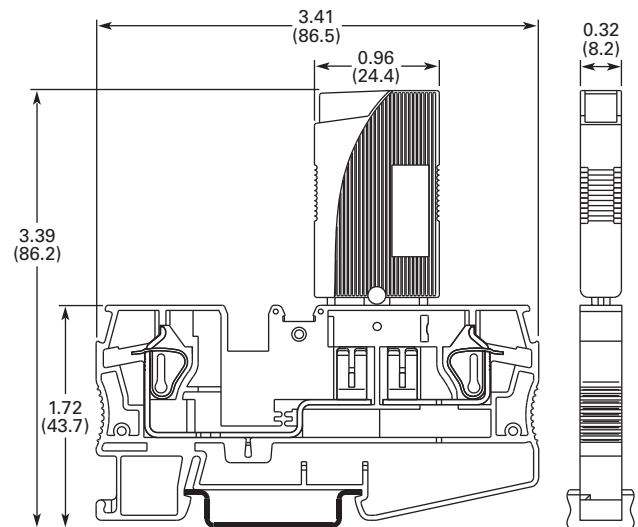
Dimensions

Approximate Dimensions in Inches (mm)

XBUK6FSI with XBAT



XBPT4FSI with XBAT

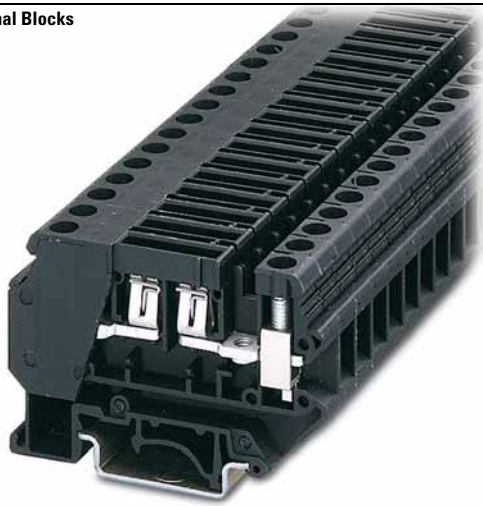


8.1

Terminal Blocks, Fuse Blocks and Fuse Holders

IEC—XB Series

Flat-Type Fuse Terminal Blocks



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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-T8-83**.

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-T8-98**.

Technical Data and Specifications

Flat-Type Fuse Terminal Blocks

Description	XBUK6FSI	XBUK6FSIL_
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)