

**Circuit Breakers**



**Contents**

<b>Description</b>	<b>Page</b>
Circuit Breakers	
Accessories .....	<b>V7-T8-84</b>
Technical Data and Specifications .....	<b>V7-T8-84</b>
Time/Current Curve .....	<b>V7-T8-85</b>
Dimensions .....	<b>V7-T8-85</b>
Flat-Type Fuse Terminal Blocks .....	<b>V7-T8-86</b>
Spring Cage Fuse Terminal Blocks .....	<b>V7-T8-88</b>

**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	<b>XBATCPT</b>
	0.25A	Black	20	<b>XBATCPQ</b>
	0.5A	Black	20	<b>XBATCPH</b>
	1.0A	Black	20	<b>XBATCP1</b>
	2.0A	Black	20	<b>XBATCP2</b>
	3.0A	Black	20	<b>XBATCP3</b>
	4.0A	Black	20	<b>XBATCP4</b>
	6.0A	Black	20	<b>XBATCP6</b>
	8.0A	Black	20	<b>XBATCP8</b>
	10.0A	Black	20	<b>XBATCP10</b>

# 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	<b>XBZBF5</b> ①
Flat type terminal blocks	—	—	—	<b>XBK6FSI</b> <b>XBK6FSIL12</b> <b>XBK6FSIL24</b> <b>XBPT4FSI</b> <b>XBPT4FSIL12</b> <b>XBPT4FSIL24</b>

8

### Technical Data and Specifications

#### Thermal Miniature Circuit Breaker

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