



BTH280E

**Earth leakage add-on-block 2P 125A Adjustable type HI**

**Technical properties**

**Architecture**

Neutral position	Left or right
Number of poles	2 P

**Configuration**

Number of modules	6
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**Connectivity**

Top connection alignment for modular devices	Not applicable
Bottom connection alignment for modular devices	Aligned terminal

**Main electrical features**

Rated operational voltage Ue	240 V
Frequency	50 Hz

**Voltage**

Rated insulation voltage	500 V
Rated impulse withstand voltage	6000 V

**Electric current**

Rated residual operating current	300 mA / 500 mA / 1 A
Rated current	125 A

**Electric current / temperature**

Rating current 20°C	125 A
Rating current 30°C	125 A
Rating current 40°C	118.9 A
Rating current 50°C	112.4 A
Rating current 60°C	105.6 A
Rating current 70°C	99.4 A

**Dimensions**

Depth of installed product	69 mm
Height of installed product	103 mm
Width of installed product	160 mm

**Power**

Total power loss under I <sub>N</sub>	7.5 W
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**Tripping**

Protected against nuisance tripping	Yes
Short-time delayed tripping	Yes
<b>Endurance</b>	
Electric endurance in number of cycles	1000
Number of mechanical operations	7000
<b>Installation, mounting</b>	
Tightening torque	3,5Nm
Type of top rail clip for modular devices	NA
Type of bottom rail clip for modular devices	metallic
Type of Bottom Connection for modular devices	with screw
Top removability for modular devices	No
Bottom removability for modular devices	Yes
<b>Connection</b>	
Connection cross-sect. flexible conductor	10 - 50 mm <sup>2</sup>
Connection cross-sect. rigid cable	10 / 70 mm <sup>2</sup>
<b>Settings</b>	
Rated fault current adjustable	Yes
Delay adjustable	Yes
Time delay of residual current	0 / 60 / 150 ms
<b>Standards</b>	
Standard text	IEC 61009-1 ; EN 61009-1
<b>Safety</b>	
Residual current type	A HI
REACH conform	No
RoHS conform	Yes
Halogen free	No
<b>Use conditions</b>	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Altitude	2000 m
Air humidity protection	for all climates