

AC125B

RCBO Electronic 1M 1P 10kA C-25A 10mA A Class

Technical properties

Architecture

Type of pole	1P
Curve	C

Electric current

Rated current	25 A
Rated residual operating current I _{dn}	10 mA
Rated current -25°C	31,35 A
Rated current at -20°C	30,83 A
Rated current -15°C	30,30 A
Rated current -10°C	29,76 A
Rated current -5°C	29,20 A
Rated current at 0°C	28,64 A
Rated current 5°C	28,07 A
Rated current 10°C	27,48 A
Rated current 15°C	26,88 A
Rated current at 20°C	26,27 A
Rated current 25°C	25,64 A
Rated current 30°C	25 A
Rated current 35°C	24,34 A
Rated current at 40°C	23,66 A
Rated current at 50°C	22,24 A
Rated current 55°C	21,50 A
Rated current 60°C	20,73 A
Correction factor of rating current for 2 devices placed side by side	1
Correction factor of rating current for 3 devices placed side by side	0,95
Correction factor of rating current for 4 and 5 devices placed side by side	0,90
Correction factor of rating current for 6 devices placed side by side	0,85
Min./max. threshold value of the AC thermal operation	1,13 - 1,45 A

Safety

Residual current type	A
Ingress Protection (IP) class	IP20

Main electrical attributes

Rated short-circuit breaking capacity I_{cn} AC
according to IEC 60898-1

10 kA

Voltage

Rated insulation voltage U _i	250 V
Rated impulse withstand voltage U _{imp}	4000 V
Max. operating voltage	253 V
Rated operational voltage U _e	240 - 240 V
Overvoltage category according to IEC 60947-1	3

Power

Total power loss under I _N	6,90 W
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Frequency

Frequency	50 - 50 Hz
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Use conditions

Max. Altitude	2000 m
Class of energy limitation I ² t	3
Operating temperature	-5 - 60 °C
Storage/transport temperature	-25 - 60 °C

Endurance

Electric endurance in number of cycles	2000
Number of mechanical operations	1000

Connection

Cross-section of input with screws, for flexible conductors	1 - 16 mm ²
Cross-section of input with screws, for massive conductors	1 - 25 mm ²
Cross-section of input and output with screws, for flexible conductors	1 - 16 mm ²
Cross-section of input and output with screws, for massive conductors	1 - 25 mm ²

Installation, mounting

Nominal tightening torque	2,10 - 2,10 Nm
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect

Capacity

Number of modules	1
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Dimensions

Height	110 mm
Width	17,80 mm
Depth	70 mm

Compatibility

Suitable for DIN Rail	Yes
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