



AD106B

## RCBO Electronic 1M 1P 10kA C-6A 30mA A Class

### Technical properties

#### Architecture

Type of pole	1P
Curve	C

#### Electric current

Rated current	6 A
Rated residual operating current $I_{\Delta n}$	30 mA
Rated current -25°C	7,72 A
Rated current at -20°C	7,58 A
Rated current -15°C	7,43 A
Rated current -10°C	7,29 A
Rated current -5°C	7,14 A
Rated current at 0°C	6,99 A
Rated current 5°C	6,83 A
Rated current 10°C	6,67 A
Rated current 15°C	6,51 A
Rated current at 20°C	6,35 A
Rated current 25°C	6,18 A
Rated current 30°C	6 A
Rated current 35°C	5,82 A
Rated current at 40°C	5,63 A
Rated current at 50°C	5,24 A
Rated current 55°C	5,03 A
Rated current 60°C	4,81 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 <sub>cn</sub> AC according to IEC 60898-1	10 kA
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#### Voltage

Rated insulation voltage U <sub>i</sub>	250 V
Rated impulse withstand voltage U <sub>imp</sub>	4000 V
Max. operating voltage	253 V
Rated operational voltage U <sub>e</sub>	230 - 240 V
Overvoltage category according to IEC 60947-1	3

#### Power

Total power loss under I <sub>N</sub>	1,50 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 <sup>2</sup> 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 <sup>2</sup>
Cross-section of input with screws, for massive conductors	1 - 25 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
Cross-section of input and output with screws, for massive conductors	1 - 25 mm <sup>2</sup>

#### Installation, mounting

Nominal tightening torque	2,10 - 2,10 Nm
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#### Capacity

Number of modules	1
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#### Dimensions

Height	115 mm
Width	17,50 mm
Depth	70 mm