



ADC910R

## Bidirectional RCBO 1M 1P+N 6kA C-10A 30mA type A

### Technical characteristics

#### Architecture

Type of pole	1P+N
Curve	C

#### Electric current

Rated current	10 A
Rated residual operating current $I_{\Delta n}$	30 mA
Rated current -25°C	12.30 A
Rated current at -20°C	12.10 A
Rated current -15°C	11.90 A
Rated current -10°C	11.70 A
Rated current -5°C	11.50 A
Rated current at 0°C	11.30 A
Rated current 5°C	11.10 A
Rated current 10°C	10.80 A
Rated current 15°C	10.60 A
Rated current at 20°C	10.40 A
Rated current 25°C	10.20 A
Rated current 30°C	10 A
Rated current 35°C	9.80 A
Rated current at 40°C	9.60 A
Rated current at 50°C	9.20 A
Rated current 55°C	9 A
Rated current 60°C	8.70 A
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	6 kA
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#### Voltage

Rated insulation voltage $U_i$	440 V
Rated impulse withstand voltage $U_{imp}$	4,000 V
Max. operating voltage	264 V
Rated operational voltage $U_e$	230 - 230 V

#### Power

Total power loss under IN	4.04 W
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#### Frequency

Frequency	50 - 50 Hz
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#### Use conditions

Max. Altitude	2,000 m
Class of energy limitation I <sup>2</sup> t	3
Operating temperature	-25 - 70 °C
Storage/transport temperature	-25 - 80 °C

#### Endurance

Electric endurance in number of cycles	10,000
Number of mechanical operations	20,000

#### Connection

Cross-section of input with screws, for flexible conductors	1 - 10 mm <sup>2</sup>
Cross-section of input with screws, for massive conductors	1 - 16 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 10 mm <sup>2</sup>
Cross-section of input and output with screws, for massive conductors	1 - 16 mm <sup>2</sup>

#### Installation, mounting

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	85 mm
Width	17.70 mm
Depth	70 mm

#### Compatibility

Suitable for DIN Rail	Yes
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