



ADC906R

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

Technical characteristics

Architecture

Type of pole	1P+N
Curve	C

Electric current

Rated current	6 A
Rated residual operating current I_{dn}	30 mA
Rated current -25°C	7.40 A
Rated current at -20°C	7.30 A
Rated current -15°C	7.10 A
Rated current -10°C	7 A
Rated current -5°C	6.90 A
Rated current at 0°C	6.80 A
Rated current 5°C	6.60 A
Rated current 10°C	6.50 A
Rated current 15°C	6.40 A
Rated current at 20°C	6.30 A
Rated current 25°C	6.10 A
Rated current 30°C	6 A
Rated current 35°C	5.90 A
Rated current at 40°C	5.70 A
Rated current at 50°C	5.50 A
Rated current 55°C	5.40 A
Rated current 60°C	5.20 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	2.74 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 ² 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 ²
Cross-section of input with screws, for massive conductors	1 - 16 mm ²
Cross-section of input and output with screws, for flexible conductors	1 - 10 mm ²
Cross-section of input and output with screws, for massive conductors	1 - 16 mm ²

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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