



ADC906T

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

Technical properties

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	IP2X

Main electrical attributes

Rated short-circuit breaking capacity I _{cn} AC according to IEC 60898-1	6 kA
---	------

Voltage

Rated insulation voltage U _i	440 V
Rated impulse withstand voltage U _{imp}	4000 V
Max. operating voltage	264 V
Rated operational voltage U _e	230 - 240 V

Power

Total power loss under IN	2,74 W
---------------------------	--------

Frequency

Frequency	50 - 50 Hz
-----------	------------

Use conditions

Altitude	2000 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	10000
Number of mechanical operations	20000

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
-------------------	---

Dimensions

Height	85 mm
Width	17,70 mm
Depth	70 mm

Compatibility

Suitable for DIN Rail	Yes
-----------------------	-----
