Product Datasheet
ADC906R

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

Technical Features

Architecture

Type of pole	1P+N
Number of protected poles	1
Curve	C

Electric current

Rated current	6 A
Rated residual operating current Idn	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 Icn AC according to IEC 60898-1	6 kA

Voltage

Rated insulation voltage Ui	440 V
Rated impulse withstand voltage Uimp	4000 V
Max. operating voltage	264 V
Rated operational voltage Ue	230 - 230 V
Overvoltage category according to IEC 60947-1	3

Power

Total power loss under IN	2.74 W

Frequency

Frequency	50 - 50 Hz

Use conditions

Max. altitude	2000 m
Class of energy limitation I^2t	3

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

Capacity	
Number of modules	1
Installation, mounting	
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect
Dimensions	
Height	85 mm
Width	17.70 mm
Depth	70 mm
Use conditions	
Operating temperature	-25 - 70 °C
Storage/transport temperature	-25 - 80 °C
Connection	
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
Cross-section of output with screws, for flexible conductors	1 - 10 mm^2
Cross-section of output with screws, for massive conductors	1 - 16 mm^2
Compatibility	
Suitable for DIN Rail	Yes
Sustainability	
RoHS conform	Yes