ADC450U

RCBO 1M 1P 10kA C-50A 30mA Type A

Technical characteristics

Architecture

Type of pole	1P
Curve	C

Electric current

Rated current	50 A
Rated residual operating current Idn	30 mA
Rated current -25°C	63.89 A
Rated current at -20°C	62.63 A
Rated current -15°C	61.36 A
Rated current -10°C	60.10 A
Rated current -5°C	58.84 A
Rated current at 0°C	57.58 A
Rated current 5°C	56.31 A
Rated current 10°C	55.05 A
Rated current 15°C	53.79 A
Rated current at 20°C	52.53 A
Rated current 25°C	51.26 A
Rated current 30°C	50 A
Rated current 35°C	49.38 A
Rated current at 40°C	48.75 A
Rated current at 50°C	47.50 A
Rated current 55°C	46.88 A
Rated current 60°C	46.25 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	10 kA

Voltage

Rated insulation voltage Ui	250 V
Rated impulse withstand voltage Uimp	4,000 V
Rated operational voltage Ue	230 - 240 V

Overvoltage category according to IEC 60947-1	3

Power

Total power loss under IN	10.80 W

Frequency

Frequency	50 - 60 Hz

Use conditions

Max. Altitude	2,000 m
Class of energy limitation I^2t	3
Operating temperature	-25 - 40 °C
Storage/transport temperature	-40 - 70 °C

Endurance

Electric endurance in number of cycles	2,000
Number of mechanical operations	10,000

Connection

Cross-section of input with screws, for flexible conductors	1 - 10 mm²
Cross-section of input with screws, for massive conductors	1 - 16 mm²
Cross-section of input and output with screws, for flexible conductors	1 - 16 mm²
Cross-section of input and output with screws, for massive conductors	1 - 25 mm²

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	115 mm
Width	17.80 mm
Depth	70 mm

Compatibility

Suitable for DIN Rail	Yes