



ADA913T

RCBO 1P+N 6kA C-13A 30mA A Class

Technical properties

Architecture

Type of pole	1P+N
Curve	C

Electric current

Rated current	13 A
Rated residual operating current I _{Δn}	30 mA
Rated current -25°C	15,2 A
Rated current at -20°C	15,01 A
Rated current -15°C	14,82 A
Rated current -10°C	14,63 A
Rated current -5°C	14,44 A
Rated current at 0°C	14,24 A
Rated current 5°C	14,04 A
Rated current 10°C	13,84 A
Rated current 15°C	13,63 A
Rated current at 20°C	13,43 A
Rated current 25°C	13,21 A
Rated current 30°C	13 A
Rated current 35°C	12,78 A
Rated current at 40°C	12,56 A
Rated current at 50°C	12,1 A
Rated current 55°C	11,87 A
Rated current 60°C	11,63 A
Correction factor of rating current for 2 devices placed side by side	1
Correction factor of rating current for 3 devices placed side by side	0,95
Correction factor of rating current for 4 and 5 devices placed side by side	0,90
Correction factor of rating current for 6 devices placed side by side	0,85
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

Connectivity

Type of connection	Screw terminal
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Voltage

Rated insulation voltage U _i	500 V
Rated impulse withstand voltage U _{imp}	4000 V
Max. operating voltage	240 V
Rated operational voltage U _e	230 - 240 V
Overvoltage category according to IEC 60947-1	3

Power

Total power loss under I _N	4,8 W
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Frequency

Frequency	50 - 50 Hz
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Use conditions

Max. Altitude	2000 m
Class of energy limitation I ² t	3
Operating temperature	-25 - 40 °C
Storage/transport temperature	-25 - 70 °C

Endurance

Electric endurance in number of cycles	2000
Number of mechanical operations	2000

Connection

Cross-section flexible conductor	1 - 16 mm ²
Cross-section rigid conductor	1 - 25 mm ²
Cross-section of input with screws, for flexible conductors	1 - 16 mm ²
Cross-section of input with screws, for massive conductors	1 - 25 mm ²
Cross-section of input and output with screws, for flexible conductors	1 - 16 mm ²
Cross-section of input and output with screws, for massive conductors	1 - 25 mm ²

Installation, mounting

Nominal tightening torque	2,10 - 2,10 Nm
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect, Bypass

Capacity

Number of modules	2
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Dimensions

Height	83 mm
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Width	35 mm
Depth	68 mm
Compatibility	
Suitable for DIN Rail	Yes