ADA556T

RCBO 1P+N 10kA C-6A 30mA A Class

Technical properties

Architecture

Type of pole	1P+N
Curve	C

Safety

Residual current type	A
Ingress Protection (IP) class	IP20

Installation, mounting

Nominal tightening torque down terminal	2,10 - 2,10 Nm
Nominal tightening torque top terminal	2,10 - 2,10 Nm
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

Main electrical attributes

Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	10 kA

Connectivity

Type of connection	Screw terminal

Voltage

Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	4000 V
Max. operating voltage	240 V
Rated operational voltage Ue	230 - 240 V
Overvoltage category according to IEC 60947-1	3
Type voltage supply	AC
Dielectric strength value of power frequency	2 kV

Electric current

Rated current	6 A
Rated residual operating current Idn	30 mA
Rated current -25°C	7,20 A
Rated current at -20°C	7,10 A
Rated current -15°C	7 A
Rated current -10°C	6,90 A
Rated current -5°C	6,80 A

Rated current at 0°C	6,70 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	6,20 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	5,80 A
Rated current at 45°C	5,70 A
Rated current at 50°C	5,60 A
Rated current 55°C	5,50 A
Rated current 60°C	5,40 A
Correction factor of rating current for 2 devices placed side by side	1
Min./max. threshold value of the AC thermal operation	1,13 - 1,45 A
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
Rated service breaking capacity Ics AC according to IEC 60898-1	7,50 kA

Power

Total power loss under IN	1,90 W

Frequency

Frequency	50 - 50 Hz

Use conditions

Max. Altitude	2000 m
Class of energy limitation I^2t	3
Operating temperature	-25 - 40 °C
Storage/transport temperature	-25 - 70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
Air humidity protection	For all climates

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

Capacity

Number of modules	2

Dimensions

Height	83 mm
Width	35 mm
Depth	68 mm

Compatibility

Suitable for DIN Rail	Yes