



ADA560T

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

**Technical properties**

**Architecture**

Type of pole	1P+N
Curve	C

**Safety**

Residual current type	A
Ingress Protection (IP) class	IP20

**Main electrical attributes**

Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1	10 kA
Nominal tightening torque down terminal	2,10 - 2,10 Nm
Nominal tightening torque top terminal	2,10 - 2,10 Nm

**Connectivity**

Type of connection	Screw terminal
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**Voltage**

Rated insulation voltage U <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	4000 V
Max. operating voltage	240 V
Rated operational voltage U <sub>e</sub>	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	10 A
Rated residual operating current I <sub>dn</sub>	30 mA
Rated current -25°C	12 A
Rated current at -20°C	11,80 A
Rated current -15°C	11,70 A
Rated current -10°C	11,50 A
Rated current -5°C	11,30 A
Rated current at 0°C	11,10 A
Rated current 5°C	11 A
Rated current 10°C	10,80 A
Rated current 15°C	10,60 A
Rated current at 20°C	10,40 A

Rated current 25°C	10,20 A
Rated current 30°C	10 A
Rated current 35°C	9,90 A
Rated current at 40°C	9,70 A
Rated current at 45°C	9,60 A
Rated current at 50°C	9,40 A
Rated current 55°C	9,30 A
Rated current 60°C	9,10 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
<b>Power</b>	
Total power loss under IN	3,40 W
<b>Frequency</b>	
Frequency	50 - 50 Hz
<b>Use conditions</b>	
Max. Altitude	2000 m
Class of energy limitation I <sup>2</sup> t	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
<b>Endurance</b>	
Electric endurance in number of cycles	2000
Number of mechanical operations	2000
<b>Connection</b>	
Cross-section flexible conductor	1 - 16 mm <sup>2</sup>
Cross-section rigid conductor	1 - 25 mm <sup>2</sup>
Cross-section of input with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
Cross-section of input with screws, for massive conductors	1 - 25 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 16 mm <sup>2</sup>
Cross-section of input and output with screws, for massive conductors	1 - 25 mm <sup>2</sup>
<b>Installation, mounting</b>	

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
<b>Capacity</b>	
Number of modules	2
<b>Dimensions</b>	
Height	83 mm
Width	35 mm
Depth	68 mm
<b>Compatibility</b>	
Suitable for DIN Rail	Yes