



RCBO 1P+N 6kA C-32A 30mA A Class

Similar image  
(Picture shows ADA910T)

**Architecture**

Neutral position	right
Number of protected poles	1
Number of poles	2 P
Type of pole	1P+N
Curve	C

**Compatibility**

Compatible with DIN rail mounting	yes
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**Connectivity**

Top connection alignment for modular devices	Aligned terminal
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**Main electrical features**

Frequency	50 Hz
Rated short circuit breaking capacity I <sub>cn</sub> AC according IEC60898-1	6 kA
Rated operational voltage U <sub>e</sub>	240 V

**Voltage**

Rated insulation voltage	500 V
Max operating voltage	240 V
Rated impulse withstand voltage	4000 V

**Electric current**

Rated residual operating current	30 mA
Withstand not tripping on 8-20 ?s wave	250 A
Rated short circuit breaking capacity I <sub>cn</sub> under 230V AC according IEC60898-1	6 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 230V AC IEC 60947-2	6 kA
Rated ultimate short-circuit breaking capacity I <sub>cu</sub> under 240V AC IEC 60947-2	6 kA
Breaking and opening capacity	6 kA
Magnetic regulating current at 40° C	5/10 I <sub>n</sub>

Technical Properties

min/maxi threshold value of the AC thermal operation 1,13/1,45 In

**Electric current / temperature**

Rating current -15°C	37,2 A
Rating current -20°C	37,8 A
Rating current 0°C	35,6 A
Rating current 10°C	34,4 A
Rating current -10°C	36,7 A
Rating current 15°C	33,8 A
Rating current 20°C	33,2 A
Rating current 25°C	32,6 A
Rating current -25°C	38,3 A
Rating current 30°C	32 A
Rating current 35°C	31,5 A
Rating current 40°C	31 A
Rating current 45°C	30,5 A
Rating current 5°C	35 A
Rating current -5°C	36,1 A
Rating current 50°C	30 A
Rating current 55°C	29,5 A
Rating current 60°C	29 A
Rating current 70°C	21,8 A

**Current correction factors**

Correction factor of rating current for 2 devices placed 1 side-by-side

Correction factor of rating current for 3 devices placed 0,95 side-by-side

Correction factor of rating current for 4 and 5 devices 0,9 placed side-by-side

Correction factor of rating current for 6 devices placed 0,85 side-by-side

**Selectivity**

Minimal rating current of upstream aM fuse for selectivity on short-circuit 40 A

Minimal rating current of upstream gL fuse for selectivity on short-circuit 50 A

Maximal rating current of downstream aM fuse for selectivity on short-circuit 8 A

Maximal rating current of downstream gL fuse for selectivity on short-circuit 16 A

**Power**

Power loss per pole at In 5,4 W

Total power loss under IN 8,3 W

**Tripping**

Protected against nuisance tripping no

### Endurance

Electric endurance in number of cycles	2000
Number of mechanical operations	1000

### Dimensions

Depth of installed product	68 mm
Height of installed product	83 mm
Width of installed product	35 mm

### Installation, mounting

Tightening torque	2,1Nm
Type of bottom rail clip for modular devices	plastic
Bottom removability for modular devices	yes
Top removability for modular devices	no

### Connection

Connection cross-section at output with screw, for flexible conductor	1/16 mm <sup>2</sup>
Connection cross-section of the access with screws, with flexible conductor	1/16 mm <sup>2</sup>
Connection cross-section at output with screw, for massive conductor	1/25 mm <sup>2</sup>
Connection cross-section for rigid conductor, upstream terminals with screws	1/25 mm <sup>2</sup>
Connection cross-sect. rigid cable	1 / 25mm <sup>2</sup>
Connection cross-sect. flexible conductor	1 / 16mm <sup>2</sup>
Type of connection	with screw

### Standards

Standard text	IEC 61009-1, AS/NZS 61009-1
European directive WEEE	not concerned

### Safety

Protection index IP	IP20
Residual current type	A

### Use conditions

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

### temperatur

Temperature of calibration	30 °C
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