



ADA140T

RCBO 1P 6kA C-40A 30mA A

Architecture

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

Main electrical features

Frequency	50 Hz
Rated short circuit breaking capacity Icn AC according IEC60898-1	
Rated operational voltage Ue	230/240 V

Voltage

Rated insulation voltage	250 V
Max operating voltage	253 V
Rated impulse withstand voltage	4000 V

Electric current

Rated residual operating current	30 mA
Withstand not tripping on 8-20 ?s wave	3 kA
Rated short circuit breaking capacity Icn under 230V AC according IEC60898-1	6 kA
Breaking and opening capacity	6 kA
Magnetic regulating current at 40° C	5/10 In
min/maxi threshold value of the AC thermal operation	1,13/1,45 In

Electric current / temperature

Rating current -15°C	49,23 A
Rating current -20°C	50,25 A
Rating current 0°C	46,15 A
Rating current 10°C	44,1 A
Rating current -10°C	48,2 A
Rating current 15°C	43,08 A
Rating current 20°C	42,05 A
Rating current 25°C	41,03 A
Rating current -25°C	51,28 A
Rating current 30°C	40 A

#### Technical Properties

Rating current 35°C	39,1 A
Rating current 40°C	38,2 A
Rating current 45°C	37,3 A
Rating current 5°C	45,13 A
Rating current -5°C	47,18 A
Rating current 50°C	36,4 A
Rating current 55°C	35,5 A
Rating current 60°C	34,6 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	

#### Power

Power loss per pole at I <sub>n</sub>	6,72 W
Total power loss under I <sub>N</sub>	12,96 W

#### Tripping

Protected against nuisance tripping	no
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#### Endurance

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

#### Dimensions

Depth of installed product	70 mm
Height of installed product	115 mm
Width of installed product	17,5 mm

#### Installation, mounting

Tightening torque	2,1Nm
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#### 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>

#### 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
Class of energy limitation I <sup>2</sup> t	3
Altitude	2000 m
Air humidity protection	Execution II