



ADC332T

## RCBO Electronic 1P 6kA C-32A 30mA A Class 1M

### Technical properties

#### Architecture

Neutral position	right
Number of protected poles	1
Number of poles	1 P
Type of pole	1 P
Fixing mode	DIN rail type O (symmetrical)
Curve	C

#### Configuration

Number of modules	1
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#### Connectivity

Top connection alignment for modular devices	Shifted terminal
Bottom connection alignment for modular devices	Aligned terminal

#### Main electrical features

Rated short circuit breaking capacity $I_{cn}$ AC according IEC60898-1	6 kA
Rated operational voltage $U_e$	240 V
Type of supply voltage	AC
Frequency	50 Hz

#### Voltage

Dielectric strength value of power frequency	2 kV
Rated insulation voltage	250 V
Max operating voltage	253 V
Rated impulse withstand voltage	4000 V

#### Electric current

Rated residual operating current	30 mA
Rated current	32 A
Withstand not tripping on 8-20 $\mu$ s wave	0.25 kA
Breaking and opening capacity	4.5 kA
min/maxi threshold value of the AC thermal operation	1.13 / 1.45 $I_n$
Magnetic regulating current	5 / 10 $I_n$

#### Electric current / temperature

Rating current -25°C	43.61 A
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Rating current -20°C	42.79 A
Rating current -15°C	41.96 A
Rating current -10°C	42 A
Rating current -5°C	40.32 A
Rating current 0°C	39.5 A
Rating current 5°C	38.68 A
Rating current 10°C	37.86 A
Rating current 15°C	37.04 A
Rating current 20°C	36.21 A
Rating current 25°C	35.39 A
Rating current 30°C	32 A
Rating current 35°C	33.75 A
Rating current 40°C	32.93 A
Rating current 45°C	32.11 A
Rating current 50°C	33 A
Rating current 55°C	30.46 A
Rating current 60°C	29.64 A
Rating current 65°C	28.82 A
Rating current 70°C	28 A

#### Current correction factors

Correction factor of rating current for 2 devices placed side-by-side	0.95
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	0.9
Correction factor of rating current for 6 devices placed side-by-side	0.85
Correction factor of magnetic tripping with 100 Hz	1.1
Correction factor of magnetic tripping with 200 Hz	1.2
Correction factor of magnetic tripping with 400 Hz	1.6
Correction factor of magnetic tripping with 60 Hz	1

#### Dimensions

Depth of installed product	70 mm
Height of installed product	92 mm
Width of installed product	17.7 mm

#### Frequency

Frequency	50 Hz
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#### Power

Total power loss under IN	7.08 W
Power loss per pole at In	4.92 W

#### Endurance

Electric endurance in number of cycles	8000
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Subject to technical modifications

**Installation, mounting**

Type of top connection for modular devices	with screw
Type of bottom rail clip for modular devices	plastic
Type of Bottom Connection for modular devices	with screw
Top removability for modular devices	No
Bottom removability for modular devices	Yes
Suitable for flush-mounting	Yes

**Connection**

Connection cross-section at output with screw, for flexible conductor	1 / 16 mm <sup>2</sup>
Connection cross-section at output with screw, for massive conductor	1 / 16 mm <sup>2</sup>
Connection cross-section for rigid conductor, upstream terminals with screws	1 / 16 mm <sup>2</sup>
Connection cross-section of the access with screws, with flexible conductor	1 / 10 mm <sup>2</sup>
Downstream cage clamp delivery status	opened
Upstream cage clamp delivery status	opened

**Cable**

Length of conductors used for the heating test (m) according to product standard	1 m
Conductor cross-section used for heating test(mm <sup>2</sup> ) according to product standard	6 mm <sup>2</sup>

**Equipment**

Type selective	No
Can be accessorized	No
With transparent product label holder	Yes

**Standards**

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

**Safety**

Protection index IP	IP20
Residual current type	A
REACH conform	No
RoHS conform	Yes
Halogen free	No

**Use conditions**

Operating temperature	-20...70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Class of energy limitation I <sup>2</sup> t	3
Altitude	2000 m
Storage/transport temperature	-25...80 °C

**temperatur**

Temperature of calibration	30 °C
Ambient air temperature during heating test according to the product standard	23.7 °C
Max. admissible temperature on accessible parts (intended to be touched)	57.59 °C
Max. admissible temperature on accessible parts (manual operating means)	52.8 °C
Max. admissible temperature on access. parts (not touched for normal operation)	74.51 °C
Max. admissible temperature on terminals	74.62 °C
Temp.-rise limits for access. parts (toggle) according to product standard	25 K
Temp.-rise limits for access. parts (not touched) according to product standard	60 K
Temp.rise limits for access. parts (to be touched) according to product standard	40 K
Temperature-rise limits for terminals according to the product standard	65 K
Temperature-rise measured on accessible parts at In (manual operating means)	12.8 K
Temperature-rise measured on access. parts at In (not touched normal operation)	34.51 K
Temperature-rise measured on accessible parts at In (intended to be touched)	17.59 K
Temperature-rise measured on terminals at In	34.62 K