



ADC316T

RCBO Electronic 1M 1P 6kA C-16A 30mA A Class

Technical Features

Architecture

Type of pole	1P
Curve	C

Electric current

Rated current	16 A
Rated residual operating current Idn	30 mA
Rated current -25°C	20.20 A
Rated current at -20°C	19.80 A
Rated current -15°C	19.50 A
Rated current -10°C	19.10 A
Rated current -5°C	18.80 A
Rated current at 0°C	18.40 A
Rated current 5°C	18 A
Rated current 10°C	17.60 A
Rated current 15°C	17.20 A
Rated current at 20°C	16.80 A
Rated current 25°C	16.40 A
Rated current 30°C	16 A
Rated current 35°C	15.70 A
Rated current at 40°C	15.40 A
Rated current at 50°C	14.80 A
Rated current 55°C	14.50 A
Rated current 60°C	14.20 A
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	0.90
Correction factor of rating current for 6 devices placed side by side	0.85
Min./max. threshold value of the AC thermal operation	1.13 - 1.45 A

Safety

Residual current type	A
Ingress Protection (IP) class	IP20

Main electrical attributes

Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA
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Voltage

Rated insulation voltage Ui	250 V
Rated impulse withstand voltage Uimp	4000 V
Max. operating voltage	253 V
Rated operational voltage Ue	240 - 240 V
Overvoltage category according to IEC 60947-1	3

Power

Total power loss under IN	6.50 W
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Frequency

Frequency	50 - 50 Hz
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Use conditions

Max. Altitude	2000 m
Class of energy limitation I ² t	3

Endurance

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

Capacity

Number of modules

1

Dimensions

Height	92 mm
Width	17.70 mm
Depth	70 mm

Use conditions

Operating temperature	-5 - 55 °C
Storage/transport temperature	-25 - 80 °C