Product Datasheet
ADA307G



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RCBO Electronic 1P 6kA B Curve - 6A, 30mA Type A 1M

Technical Features

Architecture

Type of pole	1P
Number of protected poles	1
Curve	B

Electric current

Rated current IN	6 A
Rated residual operating current Idn	30 mA
Rated current at -25°C	9.63 A
Rated current at -20°C	9.3 A
Rated current at -15°C	8.97 A
Rated current at -10°C	8.64 A
Rated current at -5°C	8.31 A
Rated current at 0°C	7.98 A
Rated current at 5°C	7.65 A
Rated current at 10°C	7.32 A
Rated current at 15°C	6.99 A
Rated current at 20°C	6.66 A
Rated current at 25°C	6.33 A
Rated current at 30°C	6 A
Rated current at 35°C	5.67 A
Rated current at 40°C	5.34 A
Rated current at 50°C	4.68 A
Rated current at 55°C	4.35 A
Rated current at 60°C	4.02 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
Rated current at 45°C	5.01 A
Rated current at 65°C	3.69 A
Rated current at 70°C	3.36 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

Voltage

Rated insulation voltage Ui	250 V
Rated impulse withstand voltage Uimp	4000 V
Max. operating voltage	253 V
Rated operational voltage Ue	230 - 230 V
Overvoltage category according to IEC 60947-1	3

Power

Power dissipation at IN	1.72 W

Frequency

Frequency	50 - 50 Hz

Use conditions

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

Endurance	
Electric endurance in number of cycles	16000
Number of mechanical operations	20000
Connection	
Cross-section of top terminal with screws, for flexible conductors	1 - 10 mm^2
Cross-section of top terminal with screws, for rigid conductors	1 - 16 mm^2
Capacity	
Number of modules	1
Installation, mounting	
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	Screw terminal
Dimensions	
Height	92 mm
Width	17.70 mm
Depth	70 mm
Use conditions	
Operating temperature	-25 - 70 °C
Storage/transport temperature	-25 - 80 °C
Connection	
Cross-section of bottom terminal with screws, for flexible conductors	1 - 16 mm^2
Cross-section of bottom terminal with screws, for rigid conductors	1 - 25 mm^2
Compatibility	
Suitable for DIN Rail	Yes