Product Datasheet
ADA311G



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RCBO Electronic 1P 6kA B Curve - 10A, 30mA Type A 1M

Technical Features

Architecture

Type of pole	1P
Curve	B

Electric current

Rated current	10 A
Rated residual operating current Idn	30 mA
Rated current -25°C	13.35 A
Rated current at -20°C	13.10 A
Rated current -15°C	12.85 A
Rated current -10°C	12.80 A
Rated current -5°C	12.35 A
Rated current at 0°C	12.10 A
Rated current 5°C	11.85 A
Rated current 10°C	11.60 A
Rated current 15°C	11.35 A
Rated current at 20°C	11.10 A
Min./max. threshold value of the AC thermal operation	1.13 - 1.45 A
Rated current 25°C	10.85 A
Rated current 30°C	10 A
Rated current 35°C	10.35 A
Rated current at 40°C	10.10 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

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
Type voltage supply	AC
Overvoltage category according to IEC 60947-1	3
Dielectric strength value of power frequency	2 kV

Power

Total power loss under IN	3.02 W

Frequency

Frequency	50 - 50 Hz

Use conditions

Max. altitude	2000 m

Installation, mounting

Nominal tightening torque down terminal	2.80 - 2.80 Nm
Nominal tightening torque top terminal	1.90 - 1.90 Nm

Use conditions

Class of energy limitation I^2t	3

Endurance	
Electric endurance in number of cycles	16000
Number of mechanical operations	20000
Connection	
Cross-section of input with screws, for flexible conductors	1 - 10 mm^2
Cross-section of input with screws, for massive 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	-20 - 70 °C
Storage/transport temperature	-25 - 80 °C
Compatibility	
Suitable for DIN Rail	Yes
Use conditions	
Degree of pollution according to IEC 60664 / IEC 60947-2	3
Sustainability	
RoHS conform	Yes