



ADA306G

RCBO Electronic 1P 6kA B Curve - 6A, 30mA Type A(AC & Pulsating DC Sensitive)1M

Technical characteristics

Architecture

Type of pole	1P
Curve	B

Electric current

Rated current	6 A
Rated residual operating current I _{dn}	30 mA
Rated current -25°C	9.16 A
Rated current at -20°C	8.92 A
Rated current -15°C	8.69 A
Rated current -10°C	8.64 A
Rated current -5°C	8.21 A
Rated current at 0°C	7.98 A
Rated current 5°C	7.74 A
Rated current 10°C	7.51 A
Rated current 15°C	7.27 A
Rated current at 20°C	7.04 A
Rated current 25°C	6.80 A
Rated current 30°C	6 A
Rated current 35°C	6.33 A
Rated current at 40°C	6.10 A
Rated current at 50°C	6 A
Rated current 55°C	5.39 A
Rated current 60°C	5.15 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 I _{cn} AC according to IEC 60898-1	6 kA
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Voltage

Rated insulation voltage U _i	250 V
Rated impulse withstand voltage U _{imp}	4,000 V
Max. operating voltage	253 V
Rated operational voltage U _e	230 - 230 V
Overvoltage category according to IEC 60947-1	3

Power

Total power loss under I _N	1.72 W
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Frequency

Frequency	50 - 50 Hz
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Use conditions

Max. Altitude	2,000 m
Class of energy limitation I ² t	3
Operating temperature	-20 - 70 °C
Storage/transport temperature	-25 - 80 °C

Endurance

Electric endurance in number of cycles	16,000
Number of mechanical operations	20,000

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

Installation, mounting

Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	Screw terminal

Capacity

Number of modules	1
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Dimensions

Height	92 mm
Width	17.70 mm
Depth	70 mm

Compatibility

Suitable for DIN Rail	Yes
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