



ADA321G

RCBO Electronic 1P 6kA B Curve - 20A, 30mA Type A 1M

Technical Features

Architecture

Type of pole	1P
Curve	B

Electric current

Rated current	20 A
Rated residual operating current I _{dn}	30 mA
Rated current -25°C	26.63 A
Rated current at -20°C	26.13 A
Rated current -15°C	25.64 A
Rated current -10°C	25.54 A
Rated current -5°C	24.65 A
Rated current at 0°C	24.16 A
Rated current 5°C	23.66 A
Rated current 10°C	23.17 A
Rated current 15°C	22.67 A
Rated current at 20°C	22.18 A
Min./max. threshold value of the AC thermal operation	1.13 - 1.45 A
Rated current 25°C	21.68 A
Rated current 30°C	20 A
Rated current 35°C	20.69 A
Rated current at 40°C	20.20 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

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}	4000 V
Max. operating voltage	253 V
Rated operational voltage U _e	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 I _N	5.19 W
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Frequency

Frequency	50 - 50 Hz
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Use conditions

Max. Altitude	2000 m
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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 ² t	3
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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
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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
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Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	3
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Sustainability

RoHS conform	Yes
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