



ALX420T

RCBO Electronic 3M 3P+N 10kA C-20A 30mA A

Technical Features

Architecture

Type of pole	3P+N
Number of protected poles	3
Curve	C

Electric current

Rated current I_N	20 A
Rated residual operating current I_{dn}	30 mA
Rated current at -5°C	22.98 A
Rated current at 0°C	22.49 A
Rated current at 5°C	22.09 A
Rated current at 10°C	21.68 A
Rated current at 15°C	21.26 A
Rated current at 20°C	20.86 A
Rated current at 25°C	20.43 A
Rated current at 30°C	20 A
Rated current at 35°C	19.58 A
Rated current at 40°C	19.11 A
Rated current at 50°C	18.17 A
Rated current at 55°C	17.70 A
Rated current at 60°C	17.23 A
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	10 kA
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Voltage

Rated insulation voltage U_i	500 V
Rated impulse withstand voltage U_{imp}	4 kV
Rated operational voltage U_e	400 - 415 V
Overvoltage category according to IEC 60947-1	3

Power

Power dissipation at I_N	11.02 W
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Frequency

Frequency	50 - 60 Hz
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Use conditions

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

Connection

Cross-section of input with screws, for flexible conductors	1-16 mm ²
Cross-section of input with screws, for massive conductors	1-25 mm ²

Installation, mounting

Nominal tightening torque	2.5 - 2.5 Nm
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Capacity

Number of modules	3
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Installation, mounting

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

Dimensions

Height	117 mm
Width	54 mm
Depth	70 mm

Use conditions

Operating temperature	-5 - 70 °C
Storage/transport temperature	-25 - 70 °C

Connection

Cross-section of input and output with screws, for flexible conductors	1-16 mm ²
Cross-section of input and output with screws, for massive conductors	1-25 mm ²
Cross-section of output with screws, for flexible conductors	1-16 mm ²
Cross-section of output with screws, for massive conductors	1-25 mm ²

Compatibility

Suitable for DIN Rail	Yes
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Sustainability

REACH-SVHC free	Yes
RoHS conform	Yes