



ALM450T



RCBO Electronic 3M 3P+N 6kA C-50A 30mA A

Technical Features

Architecture

Type of pole	3P+N
Curve	C

Electric current

Rated current	50 A
Rated residual operating current I_{dn}	30 mA
Rated current -5°C	56.18 A
Rated current at 0°C	55.38 A
Rated current 5°C	54.59 A
Rated current 10°C	53.65 A
Rated current 15°C	52.86 A
Rated current at 20°C	51.83 A
Rated current 25°C	50.92 A
Rated current 30°C	50 A
Rated current 35°C	49.01 A
Rated current at 40°C	48.05 A
Rated current at 45°C	47.09 A
Rated current at 50°C	46.13 A
Rated current 55°C	45.17 A
Rated current 60°C	44.21 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

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
Type voltage supply	AC
Dielectric strength value of power frequency	2 kV

Power

Total power loss under I_N	20.37 W
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Frequency

Frequency	50 - 60 Hz
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Use conditions

Max. Altitude	2000 m
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Installation, mounting

Nominal tightening torque down terminal	2.5 - 2.5 Nm
Nominal tightening torque top terminal	2.5 - 2.5 Nm

Use conditions

Class of energy limitation I^2t	3
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Connection

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
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	84 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

Compatibility

Suitable for DIN Rail	Yes
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Use conditions

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

REACH-SVHC free	Yes
RoHS conform	Yes