



ALM440T



RCBO Electronic 3M 3P+N 6kA C-40A 30mA A

Technical properties

Architecture

Type of pole	3P+N
Curve	C

Safety

Residual current type	A
Ingress Protection (IP) class	IP20

Installation, mounting

Nominal tightening torque down terminal	2,5 - 2,5 Nm
Nominal tightening torque top terminal	2,5 - 2,5 Nm
Nominal tightening torque	2,5 - 2,5 Nm
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect

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

Electric current

Rated current	40 A
Rated residual operating current I_{dn}	30 mA
Rated current -5°C	45,22 A
Rated current at 0°C	44,56 A
Rated current 5°C	43,78 A
Rated current 10°C	43,05 A
Rated current 15°C	42,33 A
Rated current at 20°C	41,56 A
Rated current 25°C	40,77 A
Rated current 30°C	40 A
Rated current 35°C	39,19 A
Rated current at 40°C	38,35 A
Rated current at 45°C	37,51 A

Rated current at 50°C	36,67 A
Rated current 55°C	35,83 A
Rated current 60°C	34,99 A
Min./max. threshold value of the AC thermal operation	1,13-1,45 A
Power	
Total power loss under IN	18,97 W
Frequency	
Frequency	50 - 60 Hz
Use conditions	
Max. Altitude	2000 m
Class of energy limitation I ² t	3
Operating temperature	-5 - 70 °C
Storage/transport temperature	-25 - 70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
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
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
Capacity	
Number of modules	3
Dimensions	
Height	84 mm
Width	54 mm
Depth	70 mm
Compatibility	
Suitable for DIN Rail	Yes