



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
<b>Power</b>	
Total power loss under IN	18,97 W
<b>Frequency</b>	
Frequency	50 - 60 Hz
<b>Use conditions</b>	
Max. Altitude	2000 m
Class of energy limitation I <sup>2</sup> t	3
Operating temperature	-5 - 70 °C
Storage/transport temperature	-25 - 70 °C
Degree of pollution according to IEC 60664 / IEC 60947-2	2
<b>Connection</b>	
Cross-section of output with screws, for flexible conductors	1-16 mm <sup>2</sup>
Cross-section of output with screws, for massive conductors	1-25 mm <sup>2</sup>
Cross-section of input with screws, for flexible conductors	1-16 mm <sup>2</sup>
Cross-section of input with screws, for massive conductors	1-25 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1-16 mm <sup>2</sup>
Cross-section of input and output with screws, for massive conductors	1-25 mm <sup>2</sup>
<b>Capacity</b>	
Number of modules	3
<b>Dimensions</b>	
Height	84 mm
Width	54 mm
Depth	70 mm
<b>Compatibility</b>	
Suitable for DIN Rail	Yes