



ALM416T



RCBO Electronic 3M 3P+N 6kA C-16A 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 | 16 A |
| Rated residual operating current I_{dn} | 30 mA |
| Rated current -5°C | 18,26 A |
| Rated current at 0°C | 17,98 A |
| Rated current 5°C | 17,68 A |
| Rated current 10°C | 17,33 A |
| Rated current 15°C | 17,12 A |
| Rated current at 20°C | 16,58 A |
| Rated current 25°C | 16,33 A |
| Rated current 30°C | 16 A |
| Rated current 35°C | 15,68 A |
| Rated current at 40°C | 15,26 A |
| Rated current at 45°C | 14,84 A |

| | |
|--|----------------------|
| Rated current at 50°C | 14,42 A |
| Rated current 55°C | 14,00 A |
| Rated current 60°C | 13,58 A |
| Min./max. threshold value of the AC thermal operation | 1,13-1,45 A |
| Power | |
| Total power loss under IN | 8,76 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 |