



ALM432T



### RCBO Electronic 3M 3P+N 6kA C-32A 30mA A

#### Technical Features

##### Architecture

Type of pole	3P+N
Curve	C

##### Electric current

Rated current	32 A
Rated residual operating current $I_{dn}$	30 mA
Rated current -5°C	36.68 A
Rated current at 0°C	36.02 A
Rated current 5°C	35.42 A
Rated current 10°C	34.78 A
Rated current 15°C	34.15 A
Rated current at 20°C	33.45 A
Rated current 25°C	32.73 A
Rated current 30°C	32 A
Rated current 35°C	31.28 A
Rated current at 40°C	30.55 A
Rated current at 45°C	29.82 A
Rated current at 50°C	29.09 A
Rated current 55°C	28.36 A
Rated current 60°C	27.63 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 $I_N$	14.17 W
------------------------------	---------

##### Frequency

Frequency	50 - 60 Hz
-----------	------------

##### Use conditions

Max. Altitude	2000 m
---------------	--------

##### 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
-----------------------------------	---

##### Connection

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>

##### Installation, mounting

Nominal tightening torque	2.5 - 2.5 Nm
---------------------------	--------------

---

**Capacity**

Number of modules	3
-------------------	---

---

**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 <sup>2</sup>
Cross-section of input and output with screws, for massive conductors	1-25 mm <sup>2</sup>

---

**Compatibility**

Suitable for DIN Rail	Yes
-----------------------	-----

---

**Use conditions**

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

---

**Sustainability**

REACH-SVHC free	Yes
RoHS conform	Yes