



ALM420T



**RCBO Electronic 3M 3P+N 6kA C-20A 30mA A**

**Technical Features**

**Architecture**

Type of pole	3P+N
Curve	C

**Electric current**

Rated current	20 A
Rated residual operating current I <sub>dn</sub>	30 mA
Rated current -5°C	22.98 A
Rated current at 0°C	22.49 A
Rated current 5°C	22.09 A
Rated current 10°C	21.68 A
Rated current 15°C	21.26 A
Rated current at 20°C	20.86 A
Rated current 25°C	20.43 A
Rated current 30°C	20 A
Rated current 35°C	19.58 A
Rated current at 40°C	19.11 A
Rated current at 45°C	18.64 A
Rated current at 50°C	18.17 A
Rated current 55°C	17.70 A
Rated current 60°C	17.23 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 <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	4 kV
Rated operational voltage U <sub>e</sub>	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 <sub>N</sub>	11.02 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 <sup>2</sup> t	3
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**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
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# Product Datasheet

## ALM420T

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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 <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
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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