



ALX420T



**RCBO Electronic 3M 3P+N 10kA C-20A 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	20 A
Rated residual operating current $I_{dn}$	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
<b>Power</b>	
Total power loss under IN	11,02 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 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