



AEM416T

RCBO 4P 6kA C-16A 100mA A

Technical properties

Electric current

Rated current	16 A
Rated residual operating current I _{dn}	100 mA
Rated current -25°C	19,40 A
Rated current at -20°C	19,10 A
Rated current -15°C	18,90 A
Rated current -10°C	18,60 A
Rated current -5°C	18,30 A
Rated current at 0°C	18 A
Rated current 5°C	17,60 A
Rated current 10°C	17,30 A
Rated current 15°C	17 A
Rated current at 20°C	16,70 A
Rated current 25°C	16,30 A
Rated current 30°C	16 A
Rated current 35°C	15,60 A
Rated current at 40°C	15,20 A
Rated current at 45°C	14,90 A
Rated current at 50°C	14,40 A
Rated current 55°C	14 A
Rated current 60°C	13,60 A

Architecture

Curve	C
Neutral position	Right
Type of pole	4P
Number of protected poles	4

Capacity

Number of modules	4
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Safety

Residual current type	A
Ingress Protection (IP) class	IP20

Voltage

Type voltage supply	AC
Rated operational voltage U _e	230 - 415 V
Rated insulation voltage U _i	500 V

Dielectric strength value of power frequency	2 kV
Rated impulse withstand voltage Uimp	4000 V
Overvoltage category according to IEC 60947-1	3
Main electrical attributes	
Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA
Nominal tightening torque top terminal	2 - 2 Nm
Nominal tightening torque down terminal	2 - 2 Nm
Frequency	
Frequency	50 - 50 Hz
Connection	
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
Installation, mounting	
Nominal tightening torque	2 - 2 Nm
360° mounting position possible	Yes
Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect, Bypass
Use conditions	
Class of energy limitation I ² t	3
Operating temperature	-25 - 40 °C
Dimensions	
Height	84 mm
Width	71 mm
Depth	70 mm
Power	
Total power loss under IN	10,90 W