



AEM420T

RCBO 4P 6kA C-20A 100mA A

Technical Features

Electric current

Rated current	20 A
Rated residual operating current I _{dn}	100 mA
Rated current -25°C	23.80 A
Rated current at -20°C	23.50 A
Rated current -15°C	23.20 A
Rated current -10°C	22.90 A
Rated current -5°C	22.50 A
Rated current at 0°C	22.20 A
Rated current 5°C	21.80 A
Rated current 10°C	21.50 A
Rated current 15°C	21.10 A
Rated current at 20°C	20.80 A
Rated current 25°C	20.40 A
Rated current 30°C	20 A
Rated current 35°C	19.60 A
Rated current at 40°C	19.10 A
Rated current at 45°C	18.60 A
Rated current at 50°C	18.20 A
Rated current 55°C	17.70 A
Rated current 60°C	17.20 A
Rated short-circuit breaking capacity I _{cn} under 230 V AC according to IEC 61009-1	6 kA

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 U _{imp}	4000 V
Overvoltage category according to IEC 60947-1	3

Main electrical attributes

Rated short-circuit breaking capacity I _{cn} AC according to IEC 60898-1	6 kA
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Installation, mounting

Nominal tightening torque top terminal	2 - 2 Nm
Nominal tightening torque down terminal	2 - 2 Nm

Frequency

Frequency	50 - 50 Hz
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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

Product Datasheet

AEM420T

Installation, mounting

Nominal tightening torque	2 - 2 Nm
360° mounting position possible	Yes

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

Installation, mounting

Type of top connection for modular devices	Screw terminal
Type of bottom connection for modular devices	biconnect Bypass

Power

Total power loss under IN	11.70 W
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Sustainability

RoHS conform	Yes
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