



AEM416T

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

### Technical Features

#### Electric current

Rated current	16 A
Rated residual operating current I <sub>dn</sub>	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
Rated short-circuit breaking capacity I <sub>cn</sub> 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 <sub>e</sub>	230 - 415 V
Rated insulation voltage U <sub>i</sub>	500 V
Dielectric strength value of power frequency	2 kV
Rated impulse withstand voltage U <sub>imp</sub>	4000 V
Overvoltage category according to IEC 60947-1	3

#### Main electrical attributes

Rated short-circuit breaking capacity I <sub>cn</sub> 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 <sup>2</sup>
Cross-section of input with screws, for massive conductors	1 - 25 mm <sup>2</sup>

# Product Datasheet

## AEM416T

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### Installation, mounting

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

### Use conditions

Class of energy limitation I <sup>2</sup> 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	10.90 W
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### Sustainability

RoHS conform	Yes
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