



AFM425C

**RCBO 4P 6kA B-25A 300mA A Class**

**Technical Features**

**Electric current**

Rated current	25 A
Rated residual operating current I <sub>dn</sub>	300 mA
Rated short-circuit breaking capacity I <sub>cn</sub> under 400 V AC according to IEC 60898-1	6 kA
Rated current -25°C	31.70 A
Rated current at -20°C	31.20 A
Rated current -15°C	30.60 A
Rated current -10°C	30 A
Rated current -5°C	29.40 A
Rated current at 0°C	28.90 A
Rated current 5°C	28.30 A
Rated current 10°C	27.60 A
Rated current 15°C	27 A
Rated current at 20°C	26.40 A
Rated current 25°C	25.70 A
Rated current 30°C	25 A
Rated current 35°C	24.30 A
Rated current at 40°C	23.60 A
Rated current at 45°C	22.80 A
Rated current at 50°C	22 A
Rated current 55°C	21.20 A
Rated current 60°C	20.40 A

**Architecture**

Curve	B
Number of poles	4
Neutral position	Left 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 - 400 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>

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**Installation, mounting**

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

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**Use conditions**

Class of energy limitation I <sup>2</sup> t	3
Operating temperature	-25 - 40 °C

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**Dimensions**

Height	84 mm
Width	71 mm
Depth	70 mm

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**Installation, mounting**

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

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**Connectivity**

Type of connection	Screw terminal
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**Power**

Total power loss under IN	12.30 W
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**Sustainability**

RoHS conform	Yes
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