



AFM490C

RCBO 4P 6kA C-40A 300mA A Class

Technical Features

Electric current

Rated current	40 A
Rated residual operating current I _{dn}	300 mA
Rated short-circuit breaking capacity I _{cn} under 400 V AC according to IEC 60898-1	6 kA
Rated current -25°C	49.80 A
Rated current at -20°C	49 A
Rated current -15°C	48.20 A
Rated current -10°C	47.30 A
Rated current -5°C	46.50 A
Rated current at 0°C	45.60 A
Rated current 5°C	44.70 A
Rated current 10°C	43.80 A
Rated current 15°C	42.90 A
Rated current at 20°C	42 A
Rated current 25°C	41 A
Rated current 30°C	40 A
Rated current 35°C	38.90 A
Rated current at 40°C	37.70 A
Rated current at 45°C	36.50 A
Rated current at 50°C	35.20 A
Rated current 55°C	33.90 A
Rated current 60°C	32.60 A

Architecture

Curve	C
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 _e	230 - 400 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

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

Connectivity

Type of connection	Screw terminal
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Power

Total power loss under IN	17.70 W
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Sustainability

RoHS conform	Yes
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