



MCN310A

## MCB 3P 6kA C-10A 3M

### Technical properties

#### Electric current

Rated current	10 A
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	10 kA
Rated current -15°C	12.8 A
Rated current -10°C	12.5 A
Rated current -5°C	12.2 A
Rated current at 0°C	11.9 A
Rated current 5°C	11.6 A
Rated current 10°C	11.3 A
Rated current 15°C	11 A
Rated current at 20°C	10.7 A
Rated current 25°C	10.4 A
Rated current 30°C	10 A
Rated current 35°C	9.6 A
Rated current at 40°C	9.3 A
Rated current at 45°C	8.9 A
Rated current at 50°C	8.4 A
Rated current 55°C	8 A
Rated current 60°C	7.5 A
Rated current 65°C	7 A
Rated current 70°C	6.5 A

#### Architecture

Type of pole	3P
Curve	C

#### Capacity

Number of modules	3
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#### Main electrical attributes

Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA
Nominal tightening torque top terminal	2.80 - 2.80 Nm
Nominal tightening torque down terminal	2.80 - 2.80 Nm

#### Voltage

Rated operational voltage Ue	230 - 400 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V

Rated impulse withstand voltage Uimp

4,000 V

### Frequency

Frequency	50 - 60 Hz
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### Connection

Cross-section of input and output with screws, for massive conductors	1 - 35 mm <sup>2</sup>
Cross-section of input and output with screws, for flexible conductors	1 - 25 mm <sup>2</sup>
Cross-section of input with screws, for flexible conductors	1 - 25 mm <sup>2</sup>
Cross-section of input with screws, for massive conductors	1 - 35 mm <sup>2</sup>

### Installation, mounting

Nominal tightening torque	2.80 - 2.80 Nm
Type of bottom connection for modular devices	biconnect
Type of top connection for modular devices	Screw terminal
360° mounting position possible	Yes

### Safety

Ingress Protection (IP) class	IP20
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### Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I <sup>2</sup> t	3
Air humidity protection	For all climates
Operating temperature	-25 - 70 °C

### Power

Total power loss under IN	5.80 W
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### Connectivity

Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal

### Dimensions

Height	83 mm
Width	52.50 mm
Depth	70 mm