



MCN363A

## MCB 3P 6kA C-63A 3M

### Technical properties

#### Electric current

Rated current	63 A
Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2	6 kA
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	6 kA
Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2	6 kA
Rated current -15°C	76.1 A
Rated current -10°C	74.7 A
Rated current -5°C	73.4 A
Rated current at 0°C	72 A
Rated current 5°C	70.6 A
Rated current 10°C	69.1 A
Rated current 15°C	67.6 A
Rated current at 20°C	66.1 A
Rated current 25°C	64.6 A
Rated current 30°C	63 A
Rated current 35°C	61 A
Rated current at 40°C	58.9 A
Rated current at 45°C	56.7 A
Rated current at 50°C	54.4 A
Rated current 55°C	52 A
Rated current 60°C	49.6 A
Rated current 65°C	46.9 A
Rated current 70°C	44.2 A

#### Architecture

Type of pole	3P
Curve	C

#### Capacity

Number of modules	3
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#### Installation, mounting

Nominal tightening torque top terminal	2.80 - 2.80 Nm
Nominal tightening torque down terminal	2.80 - 2.80 Nm
Nominal tightening torque	2.80 - 2.80 Nm

Type of bottom connection for modular devices	biconnect
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Type of top connection for modular devices	Screw terminal
360° mounting position possible	Yes
<b>Main electrical attributes</b>	
Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1	6 kA
<b>Voltage</b>	
Rated operational voltage U <sub>e</sub>	400-400 V
Type voltage supply	AC
Rated insulation voltage U <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	4,000 V
<b>Frequency</b>	
Frequency	50 - 60 Hz
<b>Connection</b>	
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>
<b>Safety</b>	
Ingress Protection (IP) class	IP20
<b>Use conditions</b>	
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
<b>Power</b>	
Total power loss under I <sub>N</sub>	19.9 W
<b>Connectivity</b>	
Type of connection	Screw terminal
Top connection alignment for modular devices	Aligned terminal
Down connection alignment for modular devices	Aligned terminal
<b>Dimensions</b>	
Height	83 mm
Width	52.5 mm
Depth	70 mm