



MT163A

## MCB 1P 6kA B-63A 1M

### Technical properties

#### Electric current

Rated current	63 A
Rated service breaking capacity I <sub>cs</sub> under 230 V AC according to IEC 60947-2	6 kA
Rated short-circuit breaking capacity I <sub>cn</sub> under 230 V AC according to IEC 60898-1	6 kA
Rated current -15°C	78.1 A
Rated current -10°C	76.5 A
Rated current -5°C	75.1 A
Rated current at 0°C	73.5 A
Rated current 5°C	72 A
Rated current 10°C	70.5 A
Rated current 15°C	69 A
Rated current at 20°C	67.5 A
Rated current 25°C	66 A
Rated current 30°C	63 A
Rated current 35°C	62 A
Rated current at 40°C	60.5 A
Rated current at 45°C	58.7 A
Rated current at 50°C	58.3 A
Rated current 55°C	52.8 A
Rated current 60°C	50.5 A
Rated current 65°C	48.1 A
Rated current 70°C	45.6 A

#### Architecture

Type of pole	1P
Curve	B

#### Capacity

Number of modules	1
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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
Type of top connection for modular devices	Screw terminal
360° mounting position possible	Yes

**Main electrical attributes**

Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1	6 kA
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**Voltage**

Rated operational voltage U <sub>e</sub>	230-400 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

**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>

**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 I <sub>N</sub>	5.73 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	17.5 mm
Depth	70 mm