



MBN106W

**MCB 1P 6kA B-6A 1M**

**Technical Features**

**Electric current**

Rated current	6 A
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	10 kA
Rated current -15°C	7.5 A
Rated current -10°C	7.4 A
Rated current -5°C	7.2 A
Rated current at 0°C	7.1 A
Rated current 5°C	6.9 A
Rated current 10°C	6.7 A
Rated current 15°C	6.6 A
Rated current at 20°C	6.4 A
Rated current 25°C	6.2 A
Rated current 30°C	6 A
Rated current 35°C	5.8 A
Rated current at 40°C	5.6 A
Rated current at 45°C	5.4 A
Rated current at 50°C	5.2 A
Rated current 55°C	5 A
Rated current 60°C	4.7 A
Rated current 65°C	4.5 A
Rated current 70°C	4.2 A

**Architecture**

Type of pole	1P
Curve	B

**Capacity**

Number of modules	1
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**Main electrical attributes**

Rated short-circuit breaking capacity Icn AC according to IEC 60898-1	6 kA
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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

**Voltage**

Rated operational voltage Ue	230 - 400 V
Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	4000 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 $I^2t$	3
Air humidity protection	For all climates
Operating temperature	-25 - 70 °C

**Power**

Total power loss under IN	1.30 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	17.50 mm
Depth	70 mm

**Sustainability**

RoHS conform	Yes
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