MBN120W

MCB 1P 6kA B-20A 1M

Technical properties

Electric current

Rated current	20 A
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	6 kA
Rated current -15°C	25.93 A
Rated current -10°C	25.40 A
Rated current -5°C	24.68 A
Rated current at 0°C	24.05 A
Rated current 5°C	23.43 A
Rated current 10°C	22.80 A
Rated current 15°C	22.18 A
Rated current at 20°C	21.55 A
Rated current 25°C	20.93 A
Rated current 30°C	20 A
Rated current 35°C	19.68 A
Rated current at 40°C	19.05 A
Rated current at 45°C	18.43 A
Rated current at 50°C	18 A
Rated current 55°C	17.18 A
Rated current 60°C	16.55 A
Rated current 65°C	15.93 A
Rated current 70°C	15.30 A

Architecture

Type of pole	1P
Curve	B

Capacity

Number of modules	1

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

Connection

Cross-section of input and output with screws, for massive conductors	1 - 35 mm²
Cross-section of input and output with screws, for flexible conductors	1 - 25 mm²
Cross-section of input with screws, for flexible conductors	1 - 25 mm²
Cross-section of input with screws, for massive conductors	1 - 35 mm²

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

Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Class of energy limitation I²t	3
Air humidity protection	For all climates
Operating temperature	-25 - 70 °C

Power

Total power loss under IN	2.79 W

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