



MDN120P

## MCB 1P 6kA D-20A 1M

### Technical properties

#### Electric current

Rated current	20 A
Rated short-circuit breaking capacity $I_{cn}$ under 230 V AC according to IEC 60898-1	6 kA
Rated current -15°C	24,24 A
Rated current -10°C	23,80 A
Rated current -5°C	23,36 A
Rated current at 0°C	22,91 A
Rated current 5°C	22,45 A
Rated current 10°C	21,98 A
Rated current 15°C	21,51 A
Rated current at 20°C	21,02 A
Rated current 25°C	20,51 A
Rated current 30°C	20 A
Rated current 35°C	19,47 A
Rated current at 40°C	18,93 A
Rated current at 45°C	18,37 A
Rated current at 50°C	17,80 A
Rated current 55°C	17,20 A
Rated current 60°C	16,58 A
Rated current 65°C	15,94 A
Rated current 70°C	15,28 A

#### Architecture

Type of pole	1P
Curve	D

#### Capacity

Number of modules	1
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#### Main electrical attributes

Rated short-circuit breaking capacity $I_{cn}$ 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 $U_e$	240 - 415 V
Type voltage supply	AC
Rated insulation voltage $U_i$	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
Air humidity protection	95%/55°C
Operating temperature	-25-70 °C

### Power

Total power loss under IN	2,70 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	84,60 mm
Width	17,70 mm
Depth	70 mm