



MDN125P

**MCB 1P 6kA D-25A 1M**

**Technical properties**

**Electric current**

Rated current	25 A
Rated short-circuit breaking capacity $I_{cn}$ under 230 V AC according to IEC 60898-1	6 kA
Rated current -15°C	31,35 A
Rated current -10°C	30,64 A
Rated current -5°C	29,94 A
Rated current at 0°C	29,23 A
Rated current 5°C	28,53 A
Rated current 10°C	27,82 A
Rated current 15°C	27,12 A
Rated current at 20°C	26,41 A
Rated current 25°C	25,71 A
Rated current 30°C	25 A
Rated current 35°C	24,29 A
Rated current at 40°C	23,59 A
Rated current at 45°C	22,88 A
Rated current at 50°C	22,18 A
Rated current 55°C	21,47 A
Rated current 60°C	20,77 A
Rated current 65°C	20,06 A
Rated current 70°C	19,36 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

**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	2,95 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