



MDN116P

**MCB 1P 6kA D-16A 1M**

**Technical Features**

**Electric current**

Rated current	16 A
Rated short-circuit breaking capacity I <sub>cn</sub> under 230 V AC according to IEC 60898-1	6 kA
Rated current -15°C	19.75 A
Rated current -10°C	19.37 A
Rated current -5°C	18.98 A
Rated current at 0°C	18.58 A
Rated current 5°C	18.18 A
Rated current 10°C	17.76 A
Rated current 15°C	17.34 A
Rated current at 20°C	16.90 A
Rated current 25°C	16.46 A
Rated current 30°C	16 A
Rated current 35°C	15.53 A
Rated current at 40°C	15.04 A
Rated current at 45°C	14.54 A
Rated current at 50°C	14.02 A
Rated current 55°C	13.48 A
Rated current 60°C	12.91 A
Rated current 65°C	12.32 A
Rated current 70°C	11.70 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 <sub>cn</sub> AC according to IEC 60898-1	6 kA
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**Voltage**

Rated operational voltage U <sub>e</sub>	240 - 415 V
Type voltage supply	AC
Rated insulation voltage U <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	4000 V

**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
Grid distance	60 mm

**Use conditions**

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Air humidity protection	95%/55°C

**Power**

Total power loss under I <sub>N</sub>	2.43 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