



MDN163P

**MCB 1P 6kA D-63A 1M**

**Technical Features**

**Electric current**

Rated current	63 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	78.07 A
Rated current -10°C	76.54 A
Rated current -5°C	75.05 A
Rated current at 0°C	73.54 A
Rated current 5°C	72.03 A
Rated current 10°C	70.52 A
Rated current 15°C	69 A
Rated current at 20°C	67.47 A
Rated current 25°C	65.95 A
Rated current 30°C	63 A
Rated current 35°C	62.03 A
Rated current at 40°C	60.50 A
Rated current at 45°C	58.68 A
Rated current at 50°C	58.27 A
Rated current 55°C	52.80 A
Rated current 60°C	50.51 A
Rated current 65°C	48.12 A
Rated current 70°C	45.60 A

**Architecture**

Type of pole	1P
Curve	D

**Capacity**

Number of modules	1
-------------------	---

**Main electrical attributes**

Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1	6 kA
---	------

**Voltage**

Type voltage supply	AC
Rated insulation voltage U <sub>i</sub>	500 V
Rated impulse withstand voltage U <sub>imp</sub>	6000 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>	5.73 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	84.60 mm
Width	17.70 mm
Depth	70 mm