



MDN150P

MCB 1P 6kA D-50A 1M

Technical Features

Electric current

Rated current	50 A
Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1	6 kA
Rated current -15°C	62.64 A
Rated current -10°C	61.37 A
Rated current -5°C	60.15 A
Rated current at 0°C	58.92 A
Rated current 5°C	57.69 A
Rated current 10°C	56.47 A
Rated current 15°C	55.26 A
Rated current at 20°C	54.05 A
Rated current 25°C	52.84 A
Rated current 30°C	50 A
Rated current 35°C	49.40 A
Rated current at 40°C	48.22 A
Rated current at 45°C	46.72 A
Rated current at 50°C	46.96 A
Rated current 55°C	42.77 A
Rated current 60°C	40.33 A
Rated current 65°C	37.57 A
Rated current 70°C	34.49 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 Icn AC according to IEC 60898-1	6 kA
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Voltage

Type voltage supply	AC
Rated insulation voltage Ui	500 V
Rated impulse withstand voltage Uimp	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 IN	4.70 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

Product Datasheet

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Dimensions

Height	84.60 mm
Width	17.70 mm
Depth	70 mm