



MDN250P

MCB 2P 6kA D-50A 2M

Technical properties

Electric current

| | |
|-----------------------|---------|
| Rated current | 50 A |
| 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 | 2P |
| Curve | D |

Capacity

| | |
|-------------------|---|
| Number of modules | 2 |
|-------------------|---|

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 | 415-415 V |
| Type voltage supply | AC |
| Rated insulation voltage U _i | 500 V |
| Rated impulse withstand voltage U _{imp} | 6000 V |

| Frequency | |
|--|----------------------|
| Frequency | 50-60 Hz |
| Connection | |
| Cross-section of input and output with screws, for massive conductors | 1-35 mm ² |
| Cross-section of input and output with screws, for flexible conductors | 1-25 mm ² |
| Cross-section of input with screws, for flexible conductors | 1-25 mm ² |
| Cross-section of input with screws, for massive conductors | 1-35 mm ² |
| 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 |
| 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 | 10,60 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 | 35 mm |
| Depth | 70 mm |