



MDN210P

## MCB 2P 6kA D-10A 2M

### Technical properties

#### Electric current

|                       |         |
|-----------------------|---------|
| Rated current         | 10 A    |
| Rated current -15°C   | 12,39 A |
| Rated current -10°C   | 12,15 A |
| Rated current -5°C    | 11,90 A |
| Rated current at 0°C  | 11,65 A |
| Rated current 5°C     | 11,39 A |
| Rated current 10°C    | 11,13 A |
| Rated current 15°C    | 10,86 A |
| Rated current at 20°C | 10,58 A |
| Rated current 25°C    | 10,29 A |
| Rated current 30°C    | 10 A    |
| Rated current 35°C    | 9,70 A  |
| Rated current at 40°C | 9,39 A  |
| Rated current at 45°C | 9,06 A  |
| Rated current at 50°C | 8,73 A  |
| Rated current 55°C    | 8,38 A  |
| Rated current 60°C    | 8,02 A  |
| Rated current 65°C    | 7,64 A  |
| Rated current 70°C    | 7,24 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    |

| <b>Frequency</b>   |                      |
|--|----------------------|
| Frequency  | 50-60 Hz             |
| <b>Connection</b>  |                      |
| 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> |
| <b>Installation, mounting</b>  |                      |
| 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                  |
| <b>Safety</b>  |                      |
| Ingress Protection (IP) class  | IP20                 |
| <b>Use conditions</b>  |                      |
| Degree of pollution according to IEC 60664 / IEC 60947-2               | 2                    |
| Operating temperature  | -25-70 °C            |
| <b>Connectivity</b>  |                      |
| Type of connection   | Screw terminal       |
| Top connection alignment for modular devices                           | Aligned terminal     |
| Down connection alignment for modular devices                          | Aligned terminal     |
| <b>Dimensions</b>  |                      |
| Height   | 84,60 mm             |
| Width  | 35 mm                |
| Depth  | 70 mm                |