



MCN101

**MCB 1P 6kA C-1A 1M**

**Technical Features**

**Electric current**

|   |       |
|---|-------|
| Rated current   | 1 A   |
| Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1 | 6 kA  |
| Rated ultimate short-circuit breaking capacity Icu under 400 V AC IEC 60947-2     | 10 kA |
| Rated current -15°C   | 1.3 A |
| Rated current -10°C   | 1.3 A |
| Rated current -5°C  | 1.3 A |
| Rated current at 0°C  | 1.2 A |
| Rated current 5°C   | 1.2 A |
| Rated current 10°C  | 1.2 A |
| Rated current 15°C  | 1.1 A |
| Rated current at 20°C   | 1.1 A |
| Rated current 25°C  | 1.1 A |
| Rated current 30°C  | 1 A   |
| Rated current 35°C  | 1 A   |
| Rated current at 40°C   | 0.9 A |
| Rated current at 45°C   | 0.9 A |
| Rated current at 50°C   | 0.9 A |
| Rated current 55°C  | 0.8 A |
| Rated current 60°C  | 0.8 A |
| Rated current 65°C  | 0.8 A |
| Rated current 70°C  | 0.7 A |

**Architecture**

|              |    |
|--------------|----|
| Type of pole | 1P |
| Curve        | C  |

**Capacity**

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

**Main electrical attributes**

|   |      |
|---|------|
| Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 | 6 kA |
|---|------|

**Installation, mounting**

|   |                |
|---|----------------|
| Nominal tightening torque top terminal  | 2.80 - 2.80 Nm |
| Nominal tightening torque down terminal | 2.80 - 2.80 Nm |

**Voltage**

|                                      |             |
|--------------------------------------|-------------|
| Rated operational voltage Ue         | 230 - 400 V |
| Type voltage supply                  | AC          |
| Rated insulation voltage Ui          | 500 V       |
| Rated impulse withstand voltage Uimp | 4000 V      |

**Frequency**

|           |            |
|-----------|------------|
| Frequency | 50 - 60 Hz |
|-----------|------------|

**Connection**

|  |                        |
|--|------------------------|
| 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> |
| Cross-section flexible conductor                                       | 1 - 25 mm <sup>2</sup> |
| Cross-section rigid conductor  | 1 - 35 mm <sup>2</sup> |

**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

Class of energy limitation I<sup>2</sup>t

3

Air humidity protection

For all climates

Operating temperature

-25 - 70 °C

**Power**

Total power loss under IN

0.10 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

83 mm

Width

17.50 mm

Depth

70 mm

**Sustainability**

RoHS conform

Yes

**Illustrations | Drawings**

