



HMF180T

MCB 1P 10kA C-80A 1.5M

Technical characteristics

Architecture

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

Voltage

| | |
|--------------------------------------|-------------|
| Rated operational voltage Ue | 230 - 415 V |
| Type voltage supply | AC |
| Rated insulation voltage Ui | 500 V |
| Rated impulse withstand voltage Uimp | 6,000 V |

Frequency

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

Installation, mounting

| | |
|---|----------------|
| Nominal tightening torque | 3.5 - 5.0 Nm |
| Type of top connection for modular devices | Screw terminal |
| Type of bottom connection for modular devices | Screw terminal |

Electric current

| | |
|---|-------|
| Rated current | 80 A |
| Rated short-circuit breaking capacity Icn under 230 V AC according to IEC 60898-1 | 10 kA |
| Rated ultimate short-circuit breaking capacity Icu under 230 V AC IEC 60947-2 | 10 kA |

Main electrical attributes

| | |
|---|----------------|
| Rated short-circuit breaking capacity Icn AC according to IEC 60898-1 | 10 kA |
| Nominal tightening torque down terminal | 3.60 - 3.60 Nm |
| Nominal tightening torque top terminal | 3.60 - 3.60 Nm |

Power

| | |
|---------------------------|--------|
| Total power loss under IN | 6.18 W |
|---------------------------|--------|

Endurance

| | |
|--|--------|
| Electric endurance in number of cycles | 4,000 |
| Number of mechanical operations | 20,000 |

Connection

| | |
|---|------------------------|
| Cross-section of input and output with screws, for massive conductors | 1 - 70 mm ² |
|---|------------------------|

| | |
|--|------------------------|
| Cross-section of input and output with screws, for flexible conductors | 1 - 50 mm ² |
| Cross-section flexible conductor | 50 mm ² |
| Cross-section rigid conductor | 70 mm ² |
| Use conditions | |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 3 |
| Air humidity protection | For all climates |
| Operating temperature | -25 - 70 °C |
| Capacity | |
| Number of modules | 1.50 |
| Connectivity | |
| Top connection alignment for modular devices | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |
| Dimensions | |
| Height | 90 mm |
| Width | 27 mm |
| Depth | 70 mm |