

## MCB 3P 10kA C-2A 3M

### Technical Features

#### Electric current

|                       |        |
|-----------------------|--------|
| Rated current         | 2 A    |
| Rated current -15°C   | 2.40 A |
| Rated current -10°C   | 2.40 A |
| Rated current -5°C    | 2.40 A |
| Rated current at 0°C  | 2.30 A |
| Rated current 5°C     | 2.30 A |
| Rated current 10°C    | 2.20 A |
| Rated current 15°C    | 2.20 A |
| Rated current at 20°C | 2.10 A |
| Rated current 25°C    | 2.10 A |
| Rated current 30°C    | 2 A    |
| Rated current 35°C    | 1.90 A |
| Rated current at 40°C | 1.90 A |
| Rated current at 45°C | 1.80 A |
| Rated current at 50°C | 1.80 A |
| Rated current 55°C    | 1.70 A |
| Rated current 60°C    | 1.60 A |
| Rated current 65°C    | 1.60 A |
| Rated current 70°C    | 1.50 A |

#### Architecture

|              |    |
|--------------|----|
| Type of pole | 3P |
| Curve        | C  |

#### Capacity

|                   |   |
|-------------------|---|
| Number of modules | 3 |
|-------------------|---|

#### Main electrical attributes

|                                                                                   |       |
|-----------------------------------------------------------------------------------|-------|
| Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1 | 10 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 U <sub>e</sub>         | 230 - 400 V |
| Rated insulation voltage U <sub>i</sub>          | 500 V       |
| Rated impulse withstand voltage U <sub>imp</sub> | 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 |
|-------------------------------|------|

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**Safety**

|               |       |
|---------------|-------|
| Grid distance | 35 mm |
|---------------|-------|

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**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      |

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**Power**

|                           |        |
|---------------------------|--------|
| Total power loss under IN | 4.30 W |
|---------------------------|--------|

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**Connectivity**

|                                               |                  |
|-----------------------------------------------|------------------|
| Top connection alignment for modular devices  | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |
| Type of connection                            | Screw terminal   |

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**Dimensions**

|        |          |
|--------|----------|
| Height | 83 mm    |
| Width  | 52.50 mm |
| Depth  | 70 mm    |

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**Sustainability**

|              |     |
|--------------|-----|
| RoHS conform | Yes |
|--------------|-----|