



MU310A

### MCB 3P 6kA C-10A 3M

#### Technical Features

##### Electric current

|                                                                                   |         |
|-----------------------------------------------------------------------------------|---------|
| Rated current                                                                     | 10 A    |
| Rated service breaking capacity Ics under 230 V AC according to IEC 60947-2       | 7.50 kA |
| 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                                                               | 12.30 A |
| Rated current -10°C                                                               | 12.10 A |
| Rated current -5°C                                                                | 11.80 A |
| Rated current at 0°C                                                              | 11.60 A |
| Rated current 5°C                                                                 | 11.30 A |
| Rated current 10°C                                                                | 11.10 A |
| Rated current 15°C                                                                | 10.80 A |
| Rated current at 20°C                                                             | 10.60 A |
| Rated current 25°C                                                                | 10.30 A |
| Rated current 30°C                                                                | 10 A    |
| Rated current 35°C                                                                | 9.70 A  |
| Rated current at 40°C                                                             | 9.40 A  |
| Rated current at 45°C                                                             | 9.10 A  |
| Rated current at 50°C                                                             | 8.80 A  |
| Rated current 55°C                                                                | 8.50 A  |
| Rated current 60°C                                                                | 8.10 A  |
| Rated current 65°C                                                                | 7.80 A  |
| Rated current 70°C                                                                | 7.50 A  |

##### Architecture

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

##### Capacity

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

##### 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         | 400 - 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      |

# Product Datasheet

## MU310A

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### Installation, mounting

|                                            |                |
|--------------------------------------------|----------------|
| 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 | 5.80 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  | 52.50 mm |
| Depth  | 70 mm    |

### Sustainability

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