



MU340A

### MCB 3P 6kA C-40A 3M

#### Technical Features

##### Electric current

|   |         |
|---|---------|
| Rated current   | 40 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   | 48.70 A |
| Rated current -10°C   | 47.80 A |
| Rated current -5°C  | 46.90 A |
| Rated current at 0°C  | 46 A    |
| Rated current 5°C   | 45 A    |
| Rated current 10°C  | 44.10 A |
| Rated current 15°C  | 43.10 A |
| Rated current at 20°C   | 42.10 A |
| Rated current 25°C  | 41.10 A |
| Rated current 30°C  | 40 A    |
| Rated current 35°C  | 38.90 A |
| Rated current at 40°C   | 37.80 A |
| Rated current at 45°C   | 36.60 A |
| Rated current at 50°C   | 35.40 A |
| Rated current 55°C  | 34.20 A |
| Rated current 60°C  | 32.90 A |
| Rated current 65°C  | 31.80 A |
| Rated current 70°C  | 30.60 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      |

**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 | 18.70 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 |
|--------------|-----|