



ARC575U

### MCB with dangerous arc detection 1P+N 10kA C-25A 2M

#### Technical Features

##### Electric current

|                        |         |
|------------------------|---------|
| Rated current          | 25 A    |
| Rated current -25°C    | 28.19 A |
| Rated current at -20°C | 27.91 A |
| Rated current -15°C    | 27.64 A |
| Rated current -10°C    | 27.36 A |
| Rated current -5°C     | 27.07 A |
| Rated current at 0°C   | 26.79 A |
| Rated current 5°C      | 26.50 A |
| Rated current 10°C     | 26.21 A |
| Rated current 15°C     | 25.91 A |
| Rated current at 20°C  | 25.61 A |
| Rated current 25°C     | 25.31 A |
| Rated current 30°C     | 25 A    |
| Rated current 35°C     | 24.76 A |
| Rated current at 40°C  | 24.52 A |
| Rated current at 45°C  | 24.27 A |
| Rated current at 50°C  | 24.02 A |
| Rated current 55°C     | 23.77 A |
| Rated current 60°C     | 23.52 A |

##### Architecture

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

##### 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 - 2 Nm |
| Nominal tightening torque down terminal | 2 - 2 Nm |

##### Voltage

|                                                  |             |
|--------------------------------------------------|-------------|
| Rated insulation voltage U <sub>i</sub>          | 500 V       |
| Rated impulse withstand voltage U <sub>imp</sub> | 4000 V      |
| Rated operational voltage U <sub>e</sub>         | 230 - 230 V |

##### Power

|                                       |        |
|---------------------------------------|--------|
| Total power loss under I <sub>N</sub> | 6.48 W |
|---------------------------------------|--------|

##### Use conditions

|                                             |             |
|---------------------------------------------|-------------|
| Class of energy limitation I <sup>2</sup> t | 3           |
| Operating temperature                       | -25 - 60 °C |
| Storage/transport temperature               | -40 - 70 °C |

##### Endurance

|                                        |      |
|----------------------------------------|------|
| Number of mechanical operations        | 4000 |
| Electric endurance in number of cycles | 2000 |

##### Installation, mounting

|                                               |                |
|-----------------------------------------------|----------------|
| Nominal tightening torque                     | 2 - 2 Nm       |
| Type of bottom connection for modular devices | biconnect      |
| Type of top connection for modular devices    | Screw terminal |

##### Capacity

|                   |   |
|-------------------|---|
| Number of modules | 2 |
|-------------------|---|

|                       |  |            |
|-----------------------|--|------------|
| <b>Dimensions</b>     |  |            |
| Height                |  | 85 mm      |
| Width                 |  | 35.50 mm   |
| Depth                 |  | 70 mm      |
| <b>Frequency</b>      |  |            |
| Frequency             |  | 50 - 50 Hz |
| <b>Sustainability</b> |  |            |
| RoHS conform          |  | Yes        |