



ADD410U

## RCBO 1M 1P 10kA D-10A 30mA A

### Technical Features

#### Architecture

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

#### Electric current

|                                                       |               |
|-------------------------------------------------------|---------------|
| Rated current                                         | 10 A          |
| Rated residual operating current I <sub>dn</sub>      | 30 mA         |
| Rated current -25°C                                   | 13.30 A       |
| Rated current at -20°C                                | 13 A          |
| Rated current -15°C                                   | 12.70 A       |
| Rated current -10°C                                   | 12.40 A       |
| Rated current -5°C                                    | 12.10 A       |
| Rated current at 0°C                                  | 11.80 A       |
| Rated current 5°C                                     | 11.50 A       |
| Rated current 10°C                                    | 11.20 A       |
| Rated current 15°C                                    | 10.90 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                                    | 9.75 A        |
| Rated current at 40°C                                 | 9.50 A        |
| Rated current at 50°C                                 | 9 A           |
| Rated current 55°C                                    | 8.75 A        |
| Rated current 60°C                                    | 8.50 A        |
| Min./max. threshold value of the AC thermal operation | 1.13 - 1.45 A |

#### Safety

|                               |      |
|-------------------------------|------|
| Residual current type         | A    |
| Ingress Protection (IP) class | IP20 |

#### Main electrical attributes

|                                                                                   |       |
|-----------------------------------------------------------------------------------|-------|
| Rated short-circuit breaking capacity I <sub>cn</sub> AC according to IEC 60898-1 | 10 kA |
|-----------------------------------------------------------------------------------|-------|

#### Voltage

|                                                  |             |
|--------------------------------------------------|-------------|
| Rated insulation voltage U <sub>i</sub>          | 250 V       |
| Rated impulse withstand voltage U <sub>imp</sub> | 4000 V      |
| Rated operational voltage U <sub>e</sub>         | 230 - 240 V |
| Overvoltage category according to IEC 60947-1    | 3           |

#### Power

|                                       |        |
|---------------------------------------|--------|
| Total power loss under I <sub>N</sub> | 2.80 W |
|---------------------------------------|--------|

#### Frequency

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

#### Use conditions

|               |        |
|---------------|--------|
| Max. Altitude | 2000 m |
|---------------|--------|

#### Endurance

|                                        |       |
|----------------------------------------|-------|
| Electric endurance in number of cycles | 2000  |
| Number of mechanical operations        | 10000 |

#### Connection

|                                                             |                        |
|-------------------------------------------------------------|------------------------|
| Cross-section of input with screws, for flexible conductors | 1 - 10 mm <sup>2</sup> |
| Cross-section of input with screws, for massive conductors  | 1 - 16 mm <sup>2</sup> |

#### Capacity

|                   |   |
|-------------------|---|
| Number of modules | 1 |
|-------------------|---|

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**Installation, mounting**

|                                               |                |
|-----------------------------------------------|----------------|
| Type of top connection for modular devices    | Screw terminal |
| Type of bottom connection for modular devices | biconnect      |

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**Dimensions**

|        |          |
|--------|----------|
| Height | 115 mm   |
| Width  | 17.80 mm |
| Depth  | 70 mm    |

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**Use conditions**

|                               |             |
|-------------------------------|-------------|
| Operating temperature         | -25 - 40 °C |
| Storage/transport temperature | -40 - 70 °C |

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**Connection**

|                                                                        |                        |
|------------------------------------------------------------------------|------------------------|
| Cross-section of input and output with screws, for flexible conductors | 1 - 16 mm <sup>2</sup> |
| Cross-section of input and output with screws, for massive conductors  | 1 - 25 mm <sup>2</sup> |

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**Compatibility**

|                       |     |
|-----------------------|-----|
| Suitable for DIN Rail | Yes |
|-----------------------|-----|

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**Sustainability**

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