



ADC225B

## RCBO 1M 1P 10kA C-25A 30mA A

### Technical properties

#### Architecture

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

#### Electric current

|   |               |
|---|---------------|
| Rated current   | 25 A          |
| Rated residual operating current I <sub>dn</sub>      | 30 mA         |
| Rated current -25°C                                   | 33,11 A       |
| Rated current at -20°C                                | 32,38 A       |
| Rated current -15°C                                   | 31,64 A       |
| Rated current -10°C                                   | 30,90 A       |
| Rated current -5°C                                    | 30,16 A       |
| Rated current at 0°C                                  | 29,43 A       |
| Rated current 5°C                                     | 28,69 A       |
| Rated current 10°C                                    | 27,95 A       |
| Rated current 15°C                                    | 27,21 A       |
| Rated current at 20°C                                 | 26,48 A       |
| Rated current 25°C                                    | 25,74 A       |
| Rated current 30°C                                    | 25 A          |
| Rated current 35°C                                    | 24,18 A       |
| Rated current at 40°C                                 | 23,35 A       |
| Rated current at 50°C                                 | 21,70 A       |
| Rated current 55°C                                    | 20,88 A       |
| Rated current 60°C                                    | 20,05 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                      |
| <b>Power</b>   |                        |
| Total power loss under IN  | 8,40 W                 |
| <b>Frequency</b>   |                        |
| Frequency  | 50 - 60 Hz             |
| <b>Use conditions</b>  |                        |
| Max. Altitude  | 2000 m                 |
| Class of energy limitation I <sup>2</sup> t                            | 3                      |
| Operating temperature  | -5 - 40 °C             |
| Storage/transport temperature  | -40 - 70 °C            |
| <b>Endurance</b>   |                        |
| Electric endurance in number of cycles                                 | 2000                   |
| Number of mechanical operations  | 10000                  |
| <b>Connection</b>  |                        |
| 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> |
| 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> |
| <b>Installation, mounting</b>  |                        |
| Type of top connection for modular devices                             | Screw terminal         |
| Type of bottom connection for modular devices                          | biconnect              |
| <b>Capacity</b>  |                        |
| Number of modules  | 1                      |
| <b>Dimensions</b>  |                        |
| Height   | 115 mm                 |
| Width  | 17,80 mm               |
| Depth  | 70 mm                  |
| <b>Compatibility</b>   |                        |
| Suitable for DIN Rail  | Yes                    |