



CDB525E

## RCCB 1P+N 25A 30mA B

### Technical characteristics

#### Architecture

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

#### Electric current

|   |         |
|---|---------|
| Rated current   | 25 A    |
| Rated residual operating current $I_{\Delta n}$                         | 30 mA   |
| Breaking and opening capacity $I_{dm}$                                  | 0.80 kA |
| Rated conditional short-circuit current $I_{nc}$ according to EN61008-1 | 10 kA   |
| Rated current -25°C   | 25 A    |
| Rated current at -20°C  | 25 A    |
| Rated current -15°C   | 25 A    |
| Rated current -10°C   | 25 A    |
| Rated current -5°C  | 25 A    |
| Rated current at 0°C  | 25 A    |
| Rated current 5°C   | 25 A    |
| Rated current 10°C  | 25 A    |
| Rated current 15°C  | 25 A    |
| Rated current at 20°C   | 25 A    |
| Rated current 25°C  | 25 A    |
| Rated current 30°C  | 25 A    |
| Rated current 35°C  | 25 A    |
| Rated current at 40°C   | 25 A    |
| Rated current at 45°C   | 25 A    |
| Rated current at 50°C   | 25 A    |
| Rated current 55°C  | 25 A    |
| Rated current 60°C  | 25 A    |
| Rated current 65°C  | 25 A    |
| Rated current 70°C  | 25 A    |

#### Main electrical attributes

|   |                |
|---|----------------|
| Nominal tightening torque top terminal  | 3.60 - 3.60 Nm |
| Nominal tightening torque down terminal | 3.60 - 3.60 Nm |

#### Voltage

|                                 |             |
|---------------------------------|-------------|
| Rated operational voltage $U_e$ | 230 - 230 V |
| Type voltage supply             | AC          |
| Rated insulation voltage $U_i$  | 400 V       |

|  |                  |
|--|------------------|
| Dielectric strength value of power frequency                 | 2 kV             |
| Rated impulse withstand voltage Uimp                         | 4,000 V          |
| Rated impulse withstand voltage Uimp IEC 60947-3             | 6,000 V          |
| Max. operating voltage                                       | 253 V            |
| <b>Frequency</b>   |                  |
| Frequency  | 50 - 50 Hz       |
| <b>Capacity</b>  |                  |
| Number of modules  | 4                |
| <b>Compatibility</b>   |                  |
| Suitable for DIN Rail  | Yes              |
| <b>Safety</b>  |                  |
| Residual current type  | B                |
| Ingress Protection (IP) class                                | IP20             |
| <b>Installation, mounting</b>                                |                  |
| Type of top connection for modular devices                   | Screw terminal   |
| Type of bottom connection for modular devices                | biconnect        |
| <b>Connection</b>  |                  |
| Cross-section of output with screws, for massive conductors  | 1 - 25 mm²       |
| Cross-section of output with screws, for flexible conductors | 1 - 16 mm²       |
| <b>Power</b>   |                  |
| Total power loss under IN                                    | 1.77 W           |
| <b>Use conditions</b>  |                  |
| Max. Altitude  | 2,000 m          |
| <b>Endurance</b>   |                  |
| Electric endurance in number of cycles                       | 10,000           |
| Number of mechanical operations                              | 20,000           |
| <b>Connectivity</b>  |                  |
| Type of connection   | Screw terminal   |
| Top connection alignment for modular devices                 | Aligned terminal |
| Down connection alignment for modular devices                | Aligned terminal |
| <b>Dimensions</b>  |                  |
| Height   | 85 mm            |
| Width  | 72 mm            |
| Depth  | 70 mm            |