



CEA684U

RCCB 3P+N 100A 100mA A

Technical characteristics

Architecture

| | |
|--------------|------|
| Type of pole | 3P+N |
|--------------|------|

Electric current

| | |
|---|---------|
| Rated current | 100 A |
| Rated residual operating current I_{dn} | 100 mA |
| Breaking and opening capacity I_{dm} | 1.25 kA |
| Rated conditional short-circuit current I_{nc} according to EN61008-1 | 10 kA |
| Rated current -25°C | 100 A |
| Rated current at -20°C | 100 A |
| Rated current -15°C | 100 A |
| Rated current -10°C | 100 A |
| Rated current -5°C | 100 A |
| Rated current at 0°C | 100 A |
| Rated current 5°C | 100 A |
| Rated current 10°C | 100 A |
| Rated current 15°C | 100 A |
| Rated current at 20°C | 100 A |
| Rated current 25°C | 100 A |
| Rated current 30°C | 100 A |
| Rated current 35°C | 100 A |
| Rated current at 40°C | 100 A |
| Rated current at 45°C | 100 A |
| Rated current at 50°C | 100 A |
| Rated current 55°C | 100 A |
| Rated current 60°C | 100 A |
| Rated current 65°C | 95 A |
| Rated current 70°C | 90 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 - 400 V |
| Type voltage supply | AC |
| Rated insulation voltage U_i | 500 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 | 440 V |
| Frequency | |
| Frequency | 50 - 60 Hz |
| Capacity | |
| Number of modules | 4 |
| Compatibility | |
| Suitable for DIN Rail | Yes |
| Safety | |
| Residual current type | A |
| Ingress Protection (IP) class | IP20 |
| Installation, mounting | |
| Type of top connection for modular devices | Screw terminal |
| Type of bottom connection for modular devices | biconnect |
| Connection | |
| Cross-section of output with screws, for massive conductors | 1 - 50 mm ² |
| Cross-section of output with screws, for flexible conductors | 1 - 35 mm ² |
| Power | |
| Total power loss under IN | 21.48 W |
| Use conditions | |
| Max. Altitude | 2,000 m |
| Endurance | |
| Electric endurance in number of cycles | 10,000 |
| Number of mechanical operations | 20,000 |
| Connectivity | |
| Type of connection | Screw terminal |
| Top connection alignment for modular devices | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |
| Dimensions | |
| Height | 85 mm |
| Width | 72 mm |
| Depth | 70 mm |