



CEA580T

**RCCB 1P+N 80A 100mA A**

**Technical Features**

**Architecture**

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

**Electric current**

|  |         |
|--|---------|
| Rated current  | 80 A    |
| Rated residual operating current I <sub>dn</sub>                               | 100 mA  |
| Breaking and opening capacity I <sub>dm</sub>                                  | 1.25 kA |
| Rated conditional short-circuit current I <sub>nc</sub> according to EN61008-1 | 10 kA   |
| Rated current -25°C  | 80 A    |
| Rated current at -20°C   | 80 A    |
| Rated current -15°C  | 80 A    |
| Rated current -10°C  | 80 A    |
| Rated current -5°C   | 80 A    |
| Rated current at 0°C   | 80 A    |
| Rated current 5°C  | 80 A    |
| Rated current 10°C   | 80 A    |
| Rated current 15°C   | 80 A    |
| Rated current at 20°C  | 80 A    |
| Rated current 25°C   | 80 A    |
| Rated current 30°C   | 80 A    |
| Rated current 35°C   | 80 A    |
| Rated current at 40°C  | 80 A    |
| Rated current at 45°C  | 80 A    |
| Rated current at 50°C  | 80 A    |
| Rated current 55°C   | 80 A    |
| Rated current 60°C   | 80 A    |
| Rated current 65°C   | 80 A    |
| Rated current 70°C   | 75 A    |

**Installation, mounting**

|   |                |
|---|----------------|
| 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 <sub>e</sub>                     | 240 - 240 V |
| Type voltage supply  | AC          |
| Rated insulation voltage U <sub>i</sub>                      | 500 V       |
| Dielectric strength value of power frequency                 | 2 kV        |
| Rated impulse withstand voltage U <sub>imp</sub>             | 4000 V      |
| Rated impulse withstand voltage U <sub>imp</sub> IEC 60947-3 | 6000 V      |
| Max. operating voltage                                       | 264 V       |

**Frequency**

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

**Capacity**

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

**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<br>Bypass |

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**Connection**

|  |                        |
|--|------------------------|
| Cross-section of output with screws, for massive conductors  | 1 - 50 mm <sup>2</sup> |
| Cross-section of output with screws, for flexible conductors | 1 - 35 mm <sup>2</sup> |

**Power**

|                           |         |
|---------------------------|---------|
| Total power loss under IN | 10.90 W |
|---------------------------|---------|

**Use conditions**

|                       |             |
|-----------------------|-------------|
| Max. Altitude         | 2000 m      |
| Operating temperature | -25 - 65 °C |

**Endurance**

|  |       |
|--|-------|
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations        | 20000 |

**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  | 36 mm |
| Depth  | 70 mm |