



CDF663T

**RCCB 3P+N 63A 30mA F**

**Technical Features**

**Architecture**

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

**Electric current**

|                                                                                |         |
|--------------------------------------------------------------------------------|---------|
| Rated current                                                                  | 63 A    |
| Rated residual operating current I <sub>dn</sub>                               | 30 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                                                            | 63 A    |
| Rated current at -20°C                                                         | 63 A    |
| Rated current -15°C                                                            | 63 A    |
| Rated current -10°C                                                            | 63 A    |
| Rated current -5°C                                                             | 63 A    |
| Rated current at 0°C                                                           | 63 A    |
| Rated current 5°C                                                              | 63 A    |
| Rated current 10°C                                                             | 63 A    |
| Rated current 15°C                                                             | 63 A    |
| Rated current at 20°C                                                          | 63 A    |
| Rated current 25°C                                                             | 63 A    |
| Rated current 30°C                                                             | 63 A    |
| Rated current 35°C                                                             | 63 A    |
| Rated current at 40°C                                                          | 63 A    |
| Rated current at 45°C                                                          | 63 A    |
| Rated current at 50°C                                                          | 63 A    |
| Rated current 55°C                                                             | 63 A    |
| Rated current 60°C                                                             | 63 A    |
| Rated current 65°C                                                             | 63 A    |
| Rated current 70°C                                                             | 63 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 - 415 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                                       | 440 V       |

**Frequency**

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

**Capacity**

|                   |   |
|-------------------|---|
| Number of modules | 4 |
|-------------------|---|

**Compatibility**

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

**Safety**

|                               |      |
|-------------------------------|------|
| Residual current type         | F    |
| 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 |

---

**Connection**

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

---

**Power**

|                           |        |
|---------------------------|--------|
| Total power loss under IN | 9.29 W |
|---------------------------|--------|

---

**Use conditions**

|                       |             |
|-----------------------|-------------|
| Max. altitude         | 2000 m      |
| Operating temperature | -25 - 70 °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  | 72 mm |
| Depth  | 70 mm |

---

**Sustainability**

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