# Product Datasheet
CDC441J



CDC441J

**RCCB 4P 40A 30mA AC Class**

## Technical Features

### Architecture

| | |
|---|---|
| Type of pole | 3P+N |
| Number of poles | 4 |

### Electric current

| | |
|---|---|
| Rated current IN | 40 A |
| Rated residual operating current Idn | 30 mA |
| Breaking and opening capacity Idm | 1.50 kA |
| Rated conditional short-circuit current Inc according to EN61008-1 | 6 kA |
| Rated current -25°C | 40 A |
| Rated current at -20°C | 40 A |
| Rated current -15°C | 40 A |
| Rated current -10°C | 40 A |
| Rated current -5°C | 40 A |
| Rated current at 0°C | 40 A |
| Rated current 5°C | 40 A |
| Rated current 10°C | 40 A |
| Rated current 15°C | 40 A |
| Rated current at 20°C | 40 A |
| Rated current 25°C | 40 A |
| Rated current 30°C | 40 A |
| Rated current 35°C | 40 A |
| Rated current at 40°C | 40 A |
| Rated current at 45°C | 40 A |
| Rated current at 50°C | 40 A |
| Rated current 55°C | 40 A |
| Rated current 60°C | 40 A |
| Rated current 65°C | 40 A |
| Rated current 70°C | 40 A |

### Installation, mounting

| | |
|---|---|
| Nominal tightening torque top terminal | 2.80 - 2.80 Nm |
| Nominal tightening torque down terminal | 2.80 - 2.80 Nm |

### Connectivity

| | |
|---|---|
| Type of connection | Screw terminal |

### Voltage

| | |
|---|---|
| Rated operational voltage Ue | 240 - 415 V |
| Type voltage supply | AC |
| Rated insulation voltage Ui | 500 V |
| Rated impulse withstand voltage Uimp | 4000 V |
| Max. operating voltage | 415 V |

### Frequency

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

### Capacity

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

### Compatibility

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

### Safety

| | |
|---|---|
| Residual current type | AC |
| Ingress Protection (IP) class | IP20 |

### Installation, mounting

| | |
|---|---|
| Type of top connection for modular devices | Screw terminal |

### Installation, mounting

| | |
|---|---|
| Type of bottom connection for modular devices | biconnect |
| Nominal tightening torque | 2.80 - 2.80 Nm |

### Connection

| | |
|---|---|
| Cross-section of output with screws, for massive conductors | 1 - 25 $mm^2$ |
| Cross-section of output with screws, for flexible conductors | 1 - 16 $mm^2$ |
| Cross-section flexible conductor | 16 $mm^2$ |
| Cross-section rigid conductor | 25 $mm^2$ |
| Cross-section of input and output with screws, for flexible conductors | 1 - 16 $mm^2$ |
| Cross-section of input and output with screws, for massive conductors | 1 - 25 $mm^2$ |

### Power

| | |
|---|---|
| Power dissipation at IN | 6.50 W |

### Use conditions

| | |
|---|---|
| Max. altitude | 2000 m |
| Operating temperature | -25 - 40 °C |

### Endurance

| | |
|---|---|
| Electric endurance in number of cycles | 2000 |
| Number of mechanical operations | 4000 |

### Connectivity

| | |
|---|---|
| Top connection alignment for modular devices | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |

### Dimensions

| | |
|---|---|
| Height | 83 mm |
| Width | 70 mm |
| Depth | 70 mm |

### Sustainability

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