



CD441J

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

#### Technical Features

##### Architecture

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

##### Electric current

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Rated current                                                           | 40 A    |
| Rated residual operating current $I_{dn}$                               | 30 mA   |
| Breaking and opening capacity $I_{dm}$                                  | 1.50 kA |
| Rated conditional short-circuit current $I_{nc}$ 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 |

##### Voltage

|                                           |             |
|-------------------------------------------|-------------|
| Rated operational voltage $U_e$           | 230 - 400 V |
| Type voltage supply                       | AC          |
| Rated insulation voltage $U_i$            | 500 V       |
| Rated impulse withstand voltage $U_{imp}$ | 4000 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         | AC   |
| Ingress Protection (IP) class | IP20 |

##### Installation, mounting

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

# Product Datasheet

## CD441J

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|                                                                        |                  |
|------------------------------------------------------------------------|------------------|
| <b>Connection</b>                                                      |                  |
| Cross-section of input and output with screws, for massive conductors  | 1 - 25 mm²       |
| Cross-section of input and output with screws, for flexible conductors | 1 - 16 mm²       |
| <b>Power</b>                                                           |                  |
| Total power loss under IN                                              | 6.50 W           |
| <b>Use conditions</b>                                                  |                  |
| Max. Altitude                                                          | 2000 m           |
| <b>Endurance</b>                                                       |                  |
| Electric endurance in number of cycles                                 | 2000             |
| Number of mechanical operations                                        | 4000             |
| <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                                                                 | 83 mm            |
| Width                                                                  | 70 mm            |
| Depth                                                                  | 70 mm            |
| <b>Sustainability</b>                                                  |                  |
| RoHS conform                                                           | Yes              |