



CD440J

## RCCB 4P 40A 30mA A Class

### Technical properties

#### Architecture

|                  |       |
|------------------|-------|
| Neutral position | right |
| Number of poles  | 4 P   |

#### Configuration

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

#### Main electrical features

|  |             |
|--|-------------|
| Rated operational voltage U <sub>e</sub> | 230 / 400 V |
| Frequency                                | 50 Hz       |

#### Voltage

|                                 |        |
|---------------------------------|--------|
| Rated insulation voltage        | 500 V  |
| Rated impulse withstand voltage | 4000 V |

#### Electric current

|   |         |
|---|---------|
| Rated residual operating current  | 30 mA   |
| Rated current   | 40 A    |
| Withstand not tripping on 8-20 $\mu$ s wave                                     | 0.25 kA |
| Breaking and opening capacity   | 1.5 kA  |
| Rated conditional short-circuit current I <sub>nc</sub> according to EN 61008-1 | 6 kA    |

#### Electric current / temperature

|                      |      |
|----------------------|------|
| Rating current -25°C | 40 A |
| Rating current -20°C | 40 A |
| Rating current -15°C | 40 A |
| Rating current -10°C | 40 A |
| Rating current -5°C  | 40 A |
| Rating current 0°C   | 40 A |
| Rating current 5°C   | 40 A |
| Rating current 10°C  | 40 A |
| Rating current 15°C  | 40 A |
| Rating current 20°C  | 40 A |
| Rating current 25°C  | 40 A |
| Rating current 30°C  | 40 A |
| Rating current 35°C  | 40 A |
| Rating current 40°C  | 40 A |
| Rating current 45°C  | 40 A |
| Rating current 50°C  | 40 A |

|   |                          |
|---|--------------------------|
| Rating current 55°C   | 40 A                     |
| Rating current 60°C   | 40 A                     |
| Rating current 65°C   | 40 A                     |
| Rating current 70°C   | 40 A                     |
| <b>Dimensions</b>   |                          |
| Depth of installed product  | 70 mm                    |
| Height of installed product   | 83 mm                    |
| Width of installed product  | 70 mm                    |
| Construction size (DIN 43880)   | 1                        |
| <b>Frequency</b>  |                          |
| Frequency   | 50 Hz                    |
| <b>Power</b>  |                          |
| Total power loss under IN   | 6.5 W                    |
| Power loss per pole at In   | 2.3 W                    |
| <b>Tripping</b>   |                          |
| Protected against nuisance tripping   | No                       |
| Short-time delayed tripping   | No                       |
| <b>Endurance</b>  |                          |
| Electric endurance in number of cycles  | 2000                     |
| Number of mechanical operations   | 4000                     |
| <b>Installation, mounting</b>   |                          |
| Type of top connection for modular devices                                      | with screw               |
| Tightening torque   | 2,8Nm                    |
| Type of top rail clip for modular devices                                       | NA                       |
| Type of bottom rail clip for modular devices                                    | metallic                 |
| Type of Bottom Connection for modular devices                                   | Blconnect                |
| Top removability for modular devices  | No                       |
| Bottom removability for modular devices   | No                       |
| <b>Connection</b>   |                          |
| Connection cross-section at output with screw, for massive conductor            | 1 / 25 mm <sup>2</sup>   |
| Connection cross-sect. flexible conductor                                       | 16mm <sup>2</sup>        |
| Connection cross-sect. rigid cable  | 25mm <sup>2</sup>        |
| Connection cross-section for rigid conductor, upstream terminals with screws    | 1 / 25 mm <sup>2</sup>   |
| Connection cross-section of the access with screws, with flexible conductor     | 1 / 16 mm <sup>2</sup>   |
| Connection cross section of access and exit with screws, for flexible conductor | 1 / 16 mm <sup>2</sup>   |
| Type of connection  | with screw               |
| <b>Standards</b>  |                          |
| Standard text   | IEC 61008-1 ; EN 61008-1 |

**Safety**

|                       |     |
|-----------------------|-----|
| Residual current type | A   |
| REACH conform         | No  |
| RoHS conform          | Yes |
| Halogen free          | No  |

**Use conditions**

|   |             |
|---|-------------|
| Operating temperature                                       | -25...40 °C |
| Degree of pollution according to IEC 60664 /<br>IEC 60947-2 | 2           |
| Altitude  | 2000 m      |
| Storage/transport temperature                               | -55...70 °C |