



CCC217J

## RCCB 2P 16A 10mA AC Class

### Technical Features

#### Architecture

|                 |      |
|-----------------|------|
| Type of pole    | 1P+N |
| Number of poles | 2    |

#### Electric current

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Rated current $I_N$                                                     | 16 A    |
| Rated residual operating current $I_{dn}$                               | 10 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                                                     | 16 A    |
| Rated current at -20°C                                                  | 16 A    |
| Rated current -15°C                                                     | 16 A    |
| Rated current -10°C                                                     | 16 A    |
| Rated current -5°C                                                      | 16 A    |
| Rated current at 0°C                                                    | 16 A    |
| Rated current 5°C                                                       | 16 A    |
| Rated current 10°C                                                      | 16 A    |
| Rated current 15°C                                                      | 16 A    |
| Rated current at 20°C                                                   | 16 A    |
| Rated current 25°C                                                      | 16 A    |
| Rated current 30°C                                                      | 16 A    |
| Rated current 35°C                                                      | 16 A    |
| Rated current at 40°C                                                   | 16 A    |
| Rated current at 45°C                                                   | 16 A    |
| Rated current at 50°C                                                   | 16 A    |
| Rated current 55°C                                                      | 16 A    |
| Rated current 60°C                                                      | 16 A    |
| Rated current 65°C                                                      | 16 A    |
| Rated current 70°C                                                      | 16 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 $U_e$           | 240 - 240 V |
| Type voltage supply                       | AC          |
| Rated insulation voltage $U_i$            | 500 V       |
| Rated impulse withstand voltage $U_{imp}$ | 4000 V      |
| Max. operating voltage                    | 415 V       |

#### Frequency

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

#### Capacity

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

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

#### Power

|                         |        |
|-------------------------|--------|
| Power dissipation at IN | 2.40 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  | 35 mm |
| Depth  | 70 mm |

#### Sustainability

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