



CE241J

### RCCB 2P 40A 100mA AC Class

#### Technical Features

##### Architecture

|              |      |
|--------------|------|
| Type of pole | 1P+N |
|--------------|------|

##### Electric current

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Rated current                                                           | 40 A    |
| Rated residual operating current $I_{dn}$                               | 100 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                                                   | 38 A    |
| Rated current at 50°C                                                   | 37 A    |
| Rated current 55°C                                                      | 34 A    |
| Rated current 60°C                                                      | 30 A    |
| Rated current 65°C                                                      | 26 A    |
| Rated current 70°C                                                      | 21 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 - 230 V |
| Type voltage supply                       | AC          |
| Rated insulation voltage $U_i$            | 500 V       |
| Rated impulse withstand voltage $U_{imp}$ | 4000 V      |
| Max. operating voltage                    | 253 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 |
| Type of bottom connection for modular devices | biconnect      |
| Nominal tightening torque                     | 2.80 - 2.80 Nm |

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**Connection**

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

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**Power**

|                           |        |
|---------------------------|--------|
| Total power loss under IN | 3.20 W |
|---------------------------|--------|

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**Use conditions**

|               |        |
|---------------|--------|
| Max. Altitude | 2000 m |
|---------------|--------|

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**Endurance**

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

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**Connectivity**

|                                               |                  |
|-----------------------------------------------|------------------|
| Type of connection                            | Screw terminal   |
| Top connection alignment for modular devices  | Aligned terminal |
| Down connection alignment for modular devices | Aligned terminal |

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**Dimensions**

|        |       |
|--------|-------|
| Height | 83 mm |
| Width  | 35 mm |
| Depth  | 70 mm |

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**Sustainability**

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