

CE240J

RCCB 2P 40A 100mA A Class

Technical properties

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 |

Main electrical attributes

| | |
|---|----------------|
| 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} | 4,000 V |

Frequency

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

Capacity

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

Compatibility

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

Safety

| | |
|-------------------------------|------|
| Residual current type | A |
| 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 |

Connection

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

Power

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

Use conditions

| | |
|---------------|---------|
| Max. Altitude | 2,000 m |
|---------------|---------|

Endurance

| | |
|--|-------|
| Electric endurance in number of cycles | 2,000 |
| Number of mechanical operations | 4,000 |

Connectivity

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