



CDB525HP

RCCB 1P+N 25A 30mA B Heat Pump

Technical Features

Architecture

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

Electric current

| | |
|--|---------|
| Rated current | 25 A |
| Rated residual operating current Idn | 30 mA |
| Breaking and opening capacity Idm | 0.80 kA |
| Rated conditional short-circuit current I _{nc} according to EN61008-1 | 10 kA |
| Rated current -25°C | 25 A |
| Rated current at -20°C | 25 A |
| Rated current -15°C | 25 A |
| Rated current -10°C | 25 A |
| Rated current -5°C | 25 A |
| Rated current at 0°C | 25 A |
| Rated current 5°C | 25 A |
| Rated current 10°C | 25 A |
| Rated current 15°C | 25 A |
| Rated current at 20°C | 25 A |
| Rated current 25°C | 25 A |
| Rated current 30°C | 25 A |
| Rated current 35°C | 25 A |
| Rated current at 40°C | 25 A |
| Rated current at 45°C | 25 A |
| Rated current at 50°C | 25 A |
| Rated current 55°C | 25 A |
| Rated current 60°C | 25 A |
| Rated current 65°C | 25 A |
| Rated current 70°C | 25 A |

Installation, mounting

| | |
|---|----------------|
| Nominal tightening torque top terminal | 3.60 - 3.60 Nm |
| Nominal tightening torque down terminal | 3.60 - 3.60 Nm |

Voltage

| | |
|--|-------------|
| Rated operational voltage Ue | 230 - 230 V |
| Type voltage supply | AC |
| Rated insulation voltage Ui | 400 V |
| Dielectric strength value of power frequency | 2 kV |
| Rated impulse withstand voltage U _{imp} | 4000 V |
| Rated impulse withstand voltage U _{imp} IEC 60947-3 | 6000 V |
| Max. operating voltage | 253 V |

Frequency

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

Capacity

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

Compatibility

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

Safety

| | |
|-------------------------------|------|
| Residual current type | B |
| Ingress Protection (IP) class | IP20 |

Installation, mounting

| | |
|---|----------------|
| Type of top connection for modular devices | Screw terminal |
| Type of bottom connection for modular devices | biconnect |

Connection

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

Power

| | |
|---------------------------|--------|
| Total power loss under IN | 1.77 W |
|---------------------------|--------|

Use conditions

| | |
|-----------------------|-------------|
| Max. Altitude | 2000 m |
| Operating temperature | -25 - 70 °C |

Endurance

| | |
|--|-------|
| Electric endurance in number of cycles | 10000 |
| Number of mechanical operations | 20000 |

Connectivity

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

Dimensions

| | |
|--------|-------|
| Height | 85 mm |
| Width | 72 mm |
| Depth | 70 mm |

Sustainability

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