



CDH225F

RCCB 2P 25A 30mA HI

Product Datasheet

Architecture

| | |
|------------------|-------------------------------|
| Neutral position | left |
| Number of poles | 2 P |
| Fixing mode | DIN rail type O (symmetrical) |

Functions

| | |
|----------|-----|
| Sealable | yes |
|----------|-----|

Compatibility

| | |
|-----------------------------------|-----|
| Compatible with DIN rail mounting | yes |
|-----------------------------------|-----|

Controls and indicators

| | |
|----------------------------|-----|
| Ground fault signalisation | yes |
|----------------------------|-----|

Main electrical features

| | |
|------------------------------|-------|
| Rated operational voltage Ue | 230 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 | 25 A |
| Withstand not tripping on 8-20 µs wave | 3 kA |
| Breaking and opening capacity | 1,5 kA |
| Rated conditional short-circuit current Inc according to EN 61008-1 | 6 kA |

Electric current / temperature

| | |
|----------------------|------|
| Rating current -25°C | 25 A |
| Rating current -20°C | 25 A |
| Rating current -15°C | 25 A |
| Rating current -10°C | 25 A |
| Rating current -5°C | 25 A |
| Rating current 0°C | 25 A |
| Rating current 5°C | 25 A |
| Rating current 10°C | 25 A |
| Rating current 15°C | 25 A |
| Rating current 20°C | 25 A |
| Rating current 25°C | 25 A |
| Rating current 30°C | 25 A |
| Rating current 35°C | 25 A |
| Rating current 40°C | 25 A |
| Rating current 45°C | 25 A |
| Rating current 50°C | 25 A |
| Rating current 55°C | 25 A |
| Rating current 60°C | 25 A |
| Rating current 65°C | 25 A |
| Rating current 70°C | 21 A |

Frequency

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

Power

| | |
|---------------------------------------|-------|
| Total power loss under I _N | 1,6 W |
| Power loss per pole at I _N | 0,9 W |

Tripping

| | |
|-------------------------------------|-----|
| Protected against nuisance tripping | yes |
| Short-time delayed tripping | no |

Endurance

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

Dimensions

| | |
|-------------------------------|-------|
| Depth of installed product | 70 mm |
| Height of installed product | 83 mm |
| Width of installed product | 35 mm |
| Construction size (DIN 43880) | 1 |

Installation, mounting

| | |
|---|------------|
| 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 |
| 360° product mounting position | yes |

Connection

| | |
|---|------------------------|
| Connection cross-section at output with screw, for massive conductor | 1 / 25 mm ² |
| Connection cross-sect. flexible conductor | 16mm ² |
| Connection cross-sect. rigid cable | 25mm ² |
| Connection cross-section for rigid conductor, upstream terminals with screws | 1 / 25 mm ² |
| Connection cross-section of the access with screws, with flexible conductor | 1 / 16 mm ² |
| Connection cross section of access and exit with screws, for flexible conductor | 1 / 16 mm ² |
| Type of connection | with screw |

Equipment

| | |
|---------------------------------------|-----|
| With interlocking device | yes |
| With transparent product label holder | yes |

Standards

| | |
|-------------------------|------------|
| Standard text | EN 61008-1 |
| European directive WEEE | concerned |

Safety

| | |
|-----------------------|------|
| Protection index IP | IP20 |
| Residual current type | A HI |

Use conditions

| | |
|--|-------------|
| Operating temperature | -25...40 °C |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
| Altitude | 2000 m |
| Air humidity protection | Execution I |
| Storage/transport temperature | -55...70 °C |