



CFH440F

**RCCB 4P 40A 300mA HI**

Product Datasheet

**Architecture**

|                  |                               |
|------------------|-------------------------------|
| Neutral position | left                          |
| Number of poles  | 4 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 / 400 V |
| Frequency                    | 50 Hz       |

**Voltage**

|                                 |        |
|---------------------------------|--------|
| Rated insulation voltage        | 500 V  |
| Rated impulse withstand voltage | 4000 V |

**Electric current**

|                                                                     |        |
|---------------------------------------------------------------------|--------|
| Rated residual operating current                                    | 300 mA |
| Rated current                                                       | 40 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 | 40 A |
| Rating current -20°C | 40 A |
| Rating current -15°C | 40 A |
| Rating current -10°C | 40 A |
| Rating current -5°C  | 40 A |
| Rating current 0°C   | 40 A |
| Rating current 5°C   | 40 A |
| Rating current 10°C  | 40 A |
| Rating current 15°C  | 40 A |
| Rating current 20°C  | 40 A |
| Rating current 25°C  | 40 A |
| Rating current 30°C  | 40 A |
| Rating current 35°C  | 40 A |
| Rating current 40°C  | 40 A |
| Rating current 45°C  | 40 A |
| Rating current 50°C  | 40 A |
| Rating current 55°C  | 40 A |
| Rating current 60°C  | 40 A |
| Rating current 65°C  | 40 A |
| Rating current 70°C  | 40 A |

## Frequency

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

## Power

|                                       |       |
|---------------------------------------|-------|
| Total power loss under I <sub>N</sub> | 7,2 W |
| Power loss per pole at I <sub>N</sub> | 2,1 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    | 70 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 <sup>2</sup> |
| Connection cross-sect. flexible conductor                                       | 16mm <sup>2</sup>      |
| Connection cross-sect. rigid cable                                              | 25mm <sup>2</sup>      |
| Connection cross-section for rigid conductor, upstream terminals with screws    | 1 / 25 mm <sup>2</sup> |
| Connection cross-section of the access with screws, with flexible conductor     | 1 / 16 mm <sup>2</sup> |
| Connection cross section of access and exit with screws, for flexible conductor | 1 / 16 mm <sup>2</sup> |
| 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 |