# DATASHEET - MRCM-63/2/003

Similar to illustration

**Residual current circuit breaker (RCCB), 63A, 2p, 30mA, type AC**

**Part no.** mRCM-63/2/003
**Catalog No.** 142762

Powering Business Worldwide

## Delivery program

| | | | |
|---|---|---|---|
| Basic function | | | Residual current circuit-breakers only for export |
| Number of poles | | | 2 pole |
| Application | | | Switchgear for residential and commercial applications |
| Rated current | $I_n$ | A | 63 |
| Rated short-circuit strength | $I_{cn}$ | kA | 10 |
| Rated fault current | $I_{\Delta N}$ | A | 0.03 |
| Type | | | Type AC |
| Tripping | | s… | non-delayed |
| Product range | | | mRCM |
| Sensitivity | | | AC current sensitive |
| Impulse withstand current | | | Partly surge-proof 250 A |

## Technical data

### Electrical

| | | | |
|---|---|---|---|
| Sensitivity | | | AC current sensitive |
| Rated short-circuit strength | $I_{cn}$ | kA | 10 |

## Design verification as per IEC/EN 61439

| | | | |
|---|---|---|---|
| Technical data for design verification | | | |
| Rated operational current for specified heat dissipation | $I_n$ | A | 63 |
| Heat dissipation per pole, current-dependent | $P_{vid}$ | W | 0 |
| Equipment heat dissipation, current-dependent | $P_{vid}$ | W | 9.7 |
| Static heat dissipation, non-current-dependent | $P_{vs}$ | W | 0 |
| Heat dissipation capacity | $P_{diss}$ | W | 0 |
| Operating ambient temperature min. | | °C | -25 |
| Operating ambient temperature max. | | °C | 60 |
| | | | Starting at 40 °C, the max. permissible continuous current decreases by 1.8% for every 1 °C |

## Technical data ETIM 7.0

Circuit breakers and fuses (EG000020) / Residual current circuit breaker (RCCB) (EC000003)

Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / Residual current circuit breaker (RCCB) (ecl@ss10.0.1-27-14-22-01 [AAB906014])

| | | | |
|---|---|---|---|
| Number of poles | | | 2 |
| Rated voltage | | V | 230 |
| Rated current | | A | 63 |
| Rated fault current | | mA | 30 |
| Rated insulation voltage Ui | | V | 440 |
| Rated impulse withstand voltage Uimp | | kV | 4 |
| Mounting method | | | DIN rail |
| Leakage current type | | | AC |
| Selective protection | | | No |
| Short-time delayed tripping | | | No |
| Short-circuit breaking capacity (Icw) | | kA | 10 |
| Surge current capacity | | kA | 0.25 |

| | | | |
|---|---|---|---|
| Frequency | | | 50 Hz |
| Additional equipment possible | | | Yes |
| With interlocking device | | | Yes |
| Degree of protection (IP) | | | IP20 |
| Width in number of modular spacings | | | 2 |
| Built-in depth | | mm | 68 |
| Ambient temperature during operating | | °C | -25 - 40 |
| Pollution degree | | | 2 |
| Connectable conductor cross section multi-wired | | $mm^2$ | 1.5 - 16 |
| Connectable conductor cross section solid-core | | $mm^2$ | 1.5 - 35 |