# KCMA-RCM-23D

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com



**Difference current transformer** (Residual current monitoring, RCM)
This type is specialised in the detection of residual currents in 3 / 4-wire AC networks.
Its special features are:
Highly sensitive current sensor for the detection of even the smallest residual currents, fixed switching hysteresis of 5%, high safety thanks to integrated overvoltage protection and coverage of a wide frequency range.

## General ordering data

| | |
|---|---|
| Version | Residual current transformer (RCM), Primary current: 18 A, Round conductor: 20.00 mm, Split-core current transformer |
| Order No. | 2656270000 |
| Type | KCMA-RCM-23D |
| GTIN (EAN) | 4050118666366 |
| Qty. | 1 pc(s). |
| Manufacturer | MBS AG |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 106 mm | Depth (inches) | 4.173 inch |
| Width | 58 mm | Width (inches) | 2.283 inch |
| Length | 93 mm | Length (inches) | 3.661 inch |
| Net weight | 240 g | | |

### Temperatures

| | |
|---|---|
| Operating temperature | -5 °C...45 °C |

### Dimensions of live conductors

| | | | |
|---|---|---|---|
| Type of conductor | Insulated conductor only | Round conductor | 20 mm |
| Rail | 20 x 30 mm | Installation location | Indoor use |

### Electrical attributes

| | | | |
|---|---|---|---|
| Frequency band | 30...1000 Hz | Primary conductor temperature | 70 °C |
| Primary current | 18 A | Secondary current | 0...0.04 A |
| Tolerance class | 1 | Transmission ratio | 1:600 |

### Technical properties

| | | | |
|---|---|---|---|
| Insulation class | E | Nominal frequency | 50 Hz |
| Protection degree | IP20 | Thermal rated continuous current $I_{thermal}$ | 60 x $I_{rated}$ for 1 second |

### Insulation coordination

| | | | |
|---|---|---|---|
| Standard | EN 60044/1 | Tolerance class | 1 |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC002048 | ETIM 7.0 | EC002048 |
| ETIM 8.0 | EC002048 | ETIM 9.0 | EC002048 |
| ECLASS 9.0 | 27-21-09-02 | ECLASS 9.1 | 27-21-09-02 |
| ECLASS 10.0 | 27-21-09-02 | ECLASS 11.0 | 27-21-09-02 |
| ECLASS 12.0 | 27-21-09-02 | ECLASS 13.0 | 27-21-09-02 |

### Approvals

| | |
|---|---|
| ROHS | Conform |

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Declaration of Conformity |
| User Documentation | Device description – Instruction sheet english |
| Catalogues | Catalogues in PDF-format |

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## Drawings









