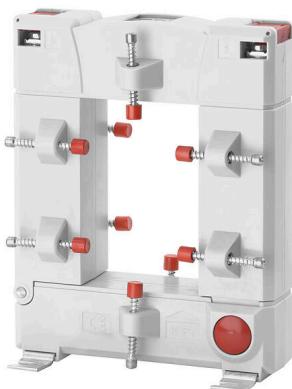


KCMA-RCM-58D

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 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: 50.00 mm, Split-core current transformer |
| Order No. | 2656280000 |
| Type | KCMA-RCM-58D |
| GTIN (EAN) | 4050118666359 |
| Qty. | 1 items |
| Manufacturer | MBS AG |

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Technical data

Approvals

| | |
|------|---------|
| RoHS | Conform |
|------|---------|

Dimensions and weights

| | | | |
|------------|--------|-----------------|-------------|
| Depth | 158 mm | Depth (inches) | 6.2205 inch |
| Width | 58 mm | Width (inches) | 2.2835 inch |
| Length | 125 mm | Length (inches) | 4.9212 inch |
| Net weight | 240 g | | |

Temperatures

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

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Measuring current input

| | |
|----------------------------|-----|
| Residual current measuring | Yes |
|----------------------------|-----|

Dimensions of live conductors

| | | | |
|-------------------|--------------------------|-----------------------|------------|
| Type of conductor | Insulated conductor only | Round conductor | 50.00 mm |
| Rail | 50 x 80 mm | Installation location | Indoor use |

Electrical attributes

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

Technical properties

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

Insulation coordination

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

Classifications

| | | | |
|--------------|-------------|--------------|-------------|
| ETIM 8.0 | EC002048 | ETIM 9.0 | EC002048 |
| ETIM 10.0 | EC002048 | ECCLASS 14.0 | 27-21-09-02 |
| ECCLASS 15.0 | 27-21-09-02 | | |

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Drawings**Dimensional drawing**