

**CMA-RCM-DACT-20****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Similar to illustration****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, Primary current: 25 A, Round conductor: 20.00 mm, closed current transformer |
| Order No.    | <a href="#">2603420000</a>   |
| Type         | CMA-RCM-DACT-20  |
| GTIN (EAN)   | 4050118665420  |
| Qty.         | 1 pc(s).   |
| Manufacturer | MBS AG   |

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## Technical data

## Dimensions and weights

|            |       |                 |            |
|------------|-------|-----------------|------------|
| Depth      | 30 mm | Depth (inches)  | 1.181 inch |
| Height     | 63 mm | Height (inches) | 2.48 inch  |
| Width      | 82 mm | Width (inches)  | 3.228 inch |
| Net weight | 240 g |                 |            |

## Temperatures

|                     |                |                       |                |
|---------------------|----------------|-----------------------|----------------|
| Storage temperature | -25 °C...70 °C | Operating temperature | -10 °C...70 °C |
|---------------------|----------------|-----------------------|----------------|

## Measuring current input

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

## Dimensions of live conductors

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

## Electrical attributes

|                 |               |                    |            |
|-----------------|---------------|--------------------|------------|
| Frequency band  | 30 Hz...3 kHz | Load               | 0 VA       |
| Primary current | 25 A          | Secondary current  | 0...0.04 A |
| Tolerance class | 1             | Transmission ratio | 1:600      |

## Technical properties

|                   |      |                      |                       |
|-------------------|------|----------------------|-----------------------|
| Coil resistance   | 8 Ω  | Measurement accuracy | Class 1 (IEC 6206-21) |
| Protection degree | IP40 |                      |                       |

## Input

|                         |   |
|-------------------------|---|
| Input measurement range | 0.02...2 A / 0.25...25 A<br>depending on terminal as-<br>signment |
|-------------------------|---|

## Insulation coordination

|                    |            |                           |       |
|--------------------|------------|---------------------------|-------|
| Galvanic isolation | yes        | Impulse withstand voltage | 8 kV  |
| Pollution severity | 3          | Rated voltage             | 800 V |
| 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 |
|------|---------|

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## Technical data

### Downloads

Approval/Certificate/Document of Con-  
formity

[Declaration of Conformity](#)

User Documentation

[Device description – Instruction sheet](#)

Catalogues

[Catalogues in PDF-format](#)

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## Drawings

### Dimensional drawing

