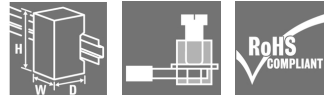


**PAS CMR 4,5... 10 A DC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image, Similar to illustration**

The PLUGCONTROL PAS CMRs present a simple, cost-effective solution for monitoring DC currents up to 10 A.

The monitoring relay (REED contact) comes attached to a standard base so that it can be mounted on a TS35 DIN rail.

Current monitoring of valves, servo-controls and DC motors are typical applications for these modules.

**General ordering data**

|            |                                                      |
|------------|------------------------------------------------------|
| Version    | Current monitoring, 4.5... 10 A DC, Screw connection |
| Order No.  | <a href="#">8742630000</a>                           |
| Type       | PAS CMR 4,5... 10 A DC                               |
| GTIN (EAN) | 4032248413942                                        |
| Qty.       | 10 pc(s).                                            |

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Height     | 95 mm   | Height (inches) | 3.74 inch  |
| Length     | 92 mm   | Length (inches) | 3.622 inch |
| Net weight | 71.1 g  | Weight          | 71 g       |
| Width      | 15.3 mm | Width (inches)  | 0.602 inch |

## Temperatures

|                     |                                                                            |                       |              |
|---------------------|----------------------------------------------------------------------------|-----------------------|--------------|
| Storage temperature | -40 °C...85 °C                                                             | Operating temperature | 0 °C...55 °C |
| Humidity            | 5-95% relative humidity,<br>T <sub>u</sub> = 40°C, without<br>condensation |                       |              |

## General data

|               |       |                    |                  |
|---------------|-------|--------------------|------------------|
| Configuration | none  | Galvanic isolation | 2-way isolator   |
| Rail          | TS 35 | Type of connection | Screw connection |

## Insulation coordination

|                                |                                |                           |                                    |
|--------------------------------|--------------------------------|---------------------------|------------------------------------|
| Clearance & creepage distances | ≥ 5 mm (grout<br>encapsulated) | EMC standards             | EN 55011, EN 61000-6-1,<br>2, 3, 4 |
| Galvanic isolation             | 2-way isolator                 | Impulse withstand voltage | 6 kV                               |
| Insulation voltage             | 4 kV <sub>eff</sub> / 1 min.   | Pollution severity        | 2                                  |
| Rated voltage                  | 300 V                          | Surge voltage category    | III                                |

## Input

|                          |               |                              |               |
|--------------------------|---------------|------------------------------|---------------|
| Input current            | 4.5...10 A DC | Input resistance, current    | < 50 mΩ       |
| Making current threshold | ≤ 4.5 A       | Max. current                 | 30 A for 10 s |
| Pulse duration           | min. 1 ms     | Resistance of sensor circuit | 50 Ω          |
| Secure off               | ≤ 600 mA      |                              |               |

## Output

|                            |              |                            |                       |
|----------------------------|--------------|----------------------------|-----------------------|
| Contact assembly           | 1 NO contact | Contact material           | RH/Rd (Reed contact)* |
| Continuous current         | 100 mA       | Max. switching frequency   | 15 Hz                 |
| Max. switching voltage, AC | 100 V        | Max. switching voltage, DC | 100 V                 |
| Switching current          | 100 mA       | Switching voltage AC, min. | 1 V                   |
| Switching voltage DC, min. | 1 V          |                            |                       |

## Connection data

|                      |                     |                                  |                     |
|----------------------|---------------------|----------------------------------|---------------------|
| Type of connection   | Screw connection    | Clamping range, rated connection | 1.5 mm <sup>2</sup> |
| Clamping range, min. | 2.5 mm <sup>2</sup> | Clamping range, max.             | 2.5 mm <sup>2</sup> |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002654    | ETIM 7.0    | EC002654    |
| ECLASS 9.0  | 27-21-01-22 | ECLASS 9.1  | 27-21-01-22 |
| ECLASS 10.0 | 27-21-01-22 | ECLASS 11.0 | 27-21-01-22 |

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## Technical data

## Tender specification sheets

## Long specification

**Limit-value monitoring  
of DC currents up to  
10 A with switching  
output**

limit-value monitoring  
component for measuring  
DC currents 4.5...10 A  
with  
switching output. The  
monitoring unit is  
designed so that it can  
be plugged onto the  
mounting base.

**Pluggable unit on base,  
for mounting on TS35  
DIN rail**

**Dimensions: L/W/H 92/  
15.3/ 95 mm**

**Screw connection /  
Nominal cross-section**

**2.5 mm<sup>2</sup>**

**Protection degree: IP  
20**

Input

**4.5 ... 10 A DC / Reed  
relay coil**

**Switch-on**

**threshold < 4,5 A**

**Switch-off threshold  
< 600 mA**

**Output**

**1 NO / Reed contact**

**Switching current max  
100 mA AC/DC**

**Switching voltage 100  
V AC / 50 V DC**

**Ambient**

**temperature range 0  
°C...+55 °C**

**Secure**

**isolation EN**

**50178, 2-way isolation  
up to 6 kV**

**Test**

**voltage 4**

**kVeff / 1 min. input  
against output**

**Rated**

**voltage**

**300 V AC/DC at  
overvoltage category III  
and pollution degree 2  
Approvals cULus**

**Type**

**PAS CMR 4.5...10 A  
DC**

## Short specification

**Limit-value monitoring  
of DC currents up  
to 10 A with switching  
output**

limit-value monitoring  
component for measuring  
DC currents 4.5...10 A  
with  
switching output. The  
monitoring unit is  
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## Technical data

### Approvals

Approvals



ROHS

Conform

UL File Number Search

E141197

### Downloads

Approval/Certificate/Document of  
Conformity

[Declaration of Conformity](#)

User Documentation

[Instruction sheet](#)

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## Drawings

### Electric symbol

