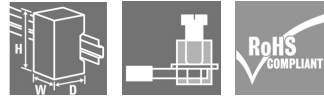


## PAS CMR 2,0...5,0 A DC

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

www.weidmueller.com

### Product image



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, 2...5.0 A DC, Screw connection
Order No.	<a href="#">8742620000</a>
Type	PAS CMR 2,0...5,0 A DC
GTIN (EAN)	4032248413935
Qty.	10 Stück

Erstellungs-Datum June 1, 2023 12:06:30 PM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten

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## Technische Daten

### Dimensions and weights

Depth	95 mm	Depth (inches)	3.74 inch
Width	15.3 mm	Width (inches)	0.602 inch
Length	92 mm	Length (inches)	3.622 inch
Net weight	70.6 g		

### Temperatures

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

### Probability of failure

SIL in compliance with IEC 61508	None		
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### General data

Configuration	none	Galvanic isolation	2-way isolator
Rail	TS 35		

### Insulation coordination

Clearance and creepage distances	≥ 5 mm (grout encapsulated)	EMC standards	EN 55011, EN 61000-6-1, 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	2...5.0 A DC	Input resistance, current	< 50 mΩ
Making current threshold	≤ 2 A	Max. current	15 A for 10 s
Pulse duration	min. 1 ms	Resistance of sensor circuit	50 Ω
Secure off	≤ 300 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>

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## Technische Daten

### Classifications

ETIM 6.0	EC002654	ETIM 7.0	EC002654
ETIM 8.0	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	ECLASS 12.0	27-21-01-22

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## Technische Daten

### Tender specification sheets

Long specification

Short specification

**Limit-value monitoring of DC currents up to 5 A with switching output**

limit-value monitoring component for measuring DC currents 2...5 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 **2 ...5 A DC / Reed relay coil**  
**Switch-on threshold < 2 A**  
**Switch-off threshold < 300 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 2.0...5.0 A DC**

**Limit-value monitoring of DC currents up to 5 A with switching output**

limit-value monitoring component for measuring DC currents 2...5 A with switching output. The monitoring unit is designed so that it can be plugged onto the mounting base.

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## Technische Daten

### Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

### Downloads

Approval/Certificate/Document of Conformity	<a href="#">Declaration of Conformity</a>
User Documentation	<a href="#">Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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**Zeichnungen**

**Electric symbol**

