

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.	8742620000
Type	PAS CMR 2,0...5,0 A DC
GTIN (EAN)	4032248413935
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Depth	95 mm	Depth (inches)	3.74 inch
Length	92 mm	Length (inches)	3.622 inch
Net weight	70.8 g	Weight	76 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, T _u = 40°C, without 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 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 _{eff} / 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 ²
Clamping range, min.	2.5 mm ²	Clamping range, max.	2.5 mm ²

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 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 mm²

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

Short specification

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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

