

PAS CMR 0,5...2,5 A DC**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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, 0.5...2.5 A DC, Screw connection
Order No.	8742610000
Type	PAS CMR 0,5...2,5 A DC
GTIN (EAN)	4032248413928
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	69.6 g	Weight	70 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	0.5...2.5 A DC	Input resistance, current	< 50 mΩ
Making current threshold	≤ 500 mA	Max. current	7.5 A for 10 s
Pulse duration	min. 1 ms	Secure off	≤ 50 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
2.5 A with switching
output**

limit-value monitoring
component for measuring
DC currents 0.5... 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
**0.5...2.5 A DC / Reed
relay coil**
**Switch-on threshold <
500 mA**
**Switch-off threshold
< 50 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 0.5...2.5 A
DC**

Short specification

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

limit-value monitoring
component for measuring
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Technical data

Approvals

Approvals



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Approval/Certificate/Document of
Conformity

[Declaration of Conformity](#)

User Documentation

[Instruction sheet](#)

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Drawings

Electric symbol

