

PAS CMR 4,5... 10 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, 4.5...10 A DC, Screw connection
Order No.	8742630000
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
Width	15.3 mm	Width (inches)	0.602 inch
Length	92 mm	Length (inches)	3.622 inch
Net weight	71.1 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
Humidity at operating temperature		Humidity	5-95% relative humidity, T _u = 40°C, without condensation
	0...95 % (no condensation)		

Probability of failure

SIL in compliance with IEC 61508	None
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General data

Configuration	none	Galvanic isolation	2-way isolator, between input/output/supply
Rail	TS 35	Temperature coefficient	350 ppm/K

Insulation coordination

EMC standards	EN 55011, EN 61000-6-1, 2, 3, 4	Galvanic isolation	2-way isolator, between input/output/supply
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	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	20 Hz
Max. switching voltage, AC	250 V	Max. switching voltage, DC	100 V
Switching current	100 mA	Switching voltage AC, min.	1 V
Switching voltage DC, min.	1 V	Temperature coefficient	350 ppm/K

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

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www.weidmueller.com**Technical data****Classifications**

ETIM 6.0	EC002654	ETIM 7.0	EC002654
ETIM 8.0	EC002654	ETIM 9.0	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	ECLASS 13.0	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 out-
put**

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 mm²**
**Protection degree: IP
20**

Input
**4.5 ... 10 A DC / Reed re-
lay coil**
**Switch-on thresh-
old < 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 isola-
tion EN 50178,
2-way isolation up to 6
kV**
**Test volt-
age 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 out-
put**

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.

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Approvals



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

Downloads

Approval/Certificate/Document of Conformity	Application notes – Declaration of Conformity
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

Electric symbol

