

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, 1, 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

Depth	95 mm	Depth (inches)	3.74 inch
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	70.3 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
Protection degree	IP20	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
Number of outputs	1	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
ECLASS 14.0	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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Technical data

Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

Approvals

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

