

PAS CMR 4,5... 10 A DC

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
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 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 Stück

Erstellungs-Datum June 1, 2023 12:06:40 PM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten

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Technische Daten

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	0 °C...55 °C
Operating temperature, min.	0 °C	Operating temperature, max.	55 °C
Humidity	5-95% relative humidity, T _u = 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 _{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	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

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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 10 A with switching output

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 relay coil
Switch-on threshold < 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 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

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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	Declaration of Conformity
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

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Zeichnungen

Electric symbol

