

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
Width	15.3 mm	Width (inches)	0.602 inch
Length	92 mm	Length (inches)	3.622 inch
Net weight	69.6 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
Humidity at operating temperature	0...95 % (no condensation)	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, 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	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	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 2.5
A with switching out-
put**

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 out-
put**

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.

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Technical data

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	

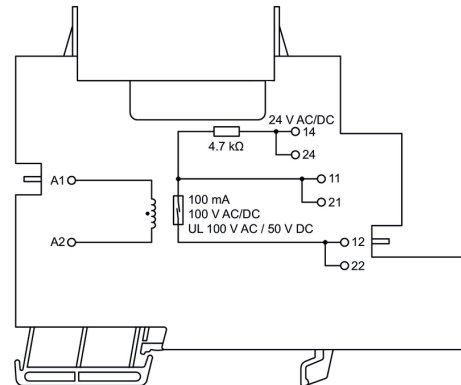
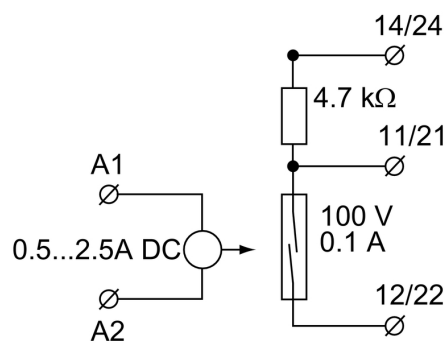
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Drawings

Electric symbol



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Accessories

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	WS 15/5 MC NE WS	Version
Order No.	1609880000	WS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190203504	Allen-Bradley, white
Qty.	480 pc(s).	

PLUGSERIES

General ordering data

Type	ZQV 2.5N 1/4-2 SW	Version
Order No.	1784270000	PLUGSERIES, Cross-connector
GTIN (EAN)	4032248214679	
Qty.	60 pc(s).	
Type	PRC HALTEBUEGEL	Version
Order No.	8536700000	PLUGSERIES, Retaining clip
GTIN (EAN)	4032248171965	
Qty.	100 pc(s).	
Type	ZQV 2.5N 1/4-2 BL	Version
Order No.	1784290000	PLUGSERIES, Cross-connector
GTIN (EAN)	4032248216383	
Qty.	60 pc(s).	

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Accessories

Type	ZQV 2.5N 1/4-2 RT	Version
Order No.	1784280000	PLUGSERIES, Cross-connector
GTIN (EAN)	40322482 14686	
Qty.	60 pc(s).	

Blank



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General ordering data

Type	WS 10/5 MC NE WS	Version
Order No.	1635000000	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 pc(s).	