

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

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

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, 2...5.0 A DC, Screw connection
Order No.	<a href="#">8742620000</a>
Type	PAS CMR 2,0...5,0 A DC
GTIN (EAN)	4032248413935
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	70.6 g		

## Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-20 °C...60 °C
Humidity at operating temperature		Humidity	5-95% relative humidity, T <sub>u</sub> = 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 <sub>eff</sub> / 1 min.
Pollution severity	2	Rated voltage	300 V
Surge voltage category	III		

## Input

Input current	2...5.0 A DC	Input resistance, current	<50 mΩ
Making current threshold	≤ 2 A	Max. current	15 A for 10 s
Pulse duration	min. 1 ms	Resistance of sensor circuit	50 Ω
Secure off	≤ 300 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 <sup>2</sup>
Clamping range, min.	2.5 mm <sup>2</sup>	Clamping range, max.	2.5 mm <sup>2</sup>

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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 5 A  
with switching output**

limit-value monitoring component for measuring DC currents 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 mm<sup>2</sup>****Protection degree: IP****20**Input **2 ...5****A DC / Reed relay coil****Switch-on threshold****< 2 A****Switch-off threshold****< 300 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 2.0...5.0 A****DC**

## Short specification

**Limit-value monitoring  
of DC currents up to 5 A  
with switching output**

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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	<a href="#">Application notes – Declaration of Conformity</a>
User Documentation	<a href="#">Instruction sheet</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

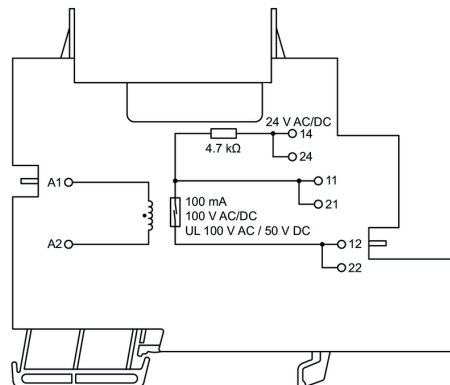
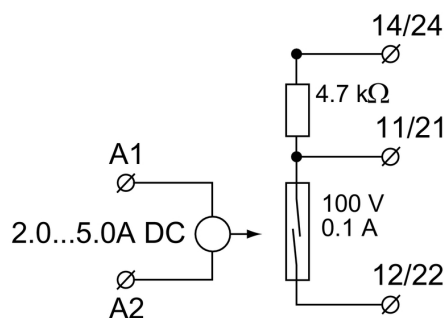
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## Drawings

### 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.	<a href="#">1609880000</a>	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.	<a href="#">1784270000</a>	PLUGSERIES, Cross-connector
GTIN (EAN)	4032248214679	
Qty.	60 pc(s).	
Type	PRC HALTEBUEGEL	Version
Order No.	<a href="#">8536700000</a>	PLUGSERIES, Retaining clip
GTIN (EAN)	4032248171965	
Qty.	100 pc(s).	
Type	ZQV 2.5N 1/4-2 BL	Version
Order No.	<a href="#">1784290000</a>	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.	<a href="#">1784280000</a>	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.	<a href="#">1635000000</a>	WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller,
GTIN (EAN)	4008190261948	Allen-Bradley, white
Qty.	720 pc(s).	