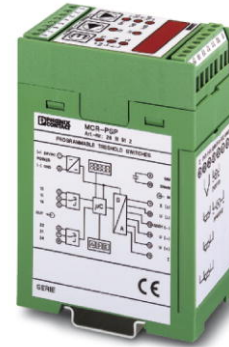



# MCR-PSP

Order No.: 2811912




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2811912>

MCR threshold value switch, programmable, with 2 relay contacts

Commercial data	
GTIN (EAN)	 4 017918 107888
sales group	H560
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 380 (IF-2009)

**Product notes**

WEEE/RoHS-compliant since:  
09/04/2006



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
<b>Input data</b>	
Configurable/programmable	Yes, programmable
Voltage input signal	-30 V ... 30 V
Current input signal	-30 mA ... 30 mA

Input signal	Resistance thermometer 2, 3 or 4-wire system (in acc. with DIN 43760/DIN IEC 751 or SAMA RC 21-4-1966), e.g. PT sensors, Ni sensors etc.
	Thermocouple sensors (in acc. with DIN IEC 584-1/DIN 43710): B, E, J, K, L, N, R, S, T, U
	Resistance: 0 k $\Omega$ ... 8 k $\Omega$ (only 2-wire connection)
	Current: - 30 mA...+ 30 mA
	Voltage: - 30 V...+ 30 V
Input resistance of voltage input	200 k $\Omega$
Input resistance current input	50 $\Omega$
Discontinuous control resolution	0,1 °C / 0,01 V / 0,01 mA / 0,1 $\Omega$

**Switching output**

Contact type	2 x PDT contact, / 2 switching points each, pick-up/drop-out (can be switched)
Contact material	AgNi 0,15 + HTV (hard gold-plated)
Maximum switching voltage	250 V AC
Mechanical service life	2 x 10 <sup>7</sup> cycles
Setting range of the response delay	0 s ... 2 s (adjustable)
Status display	LED display

**Power supply**

Supply voltage range	20 V DC ... 30 V DC
Max. current consumption	< 60 mA

**Connection data**

Connection method	Pluggable screw connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M3

**General data**

No. of channels	1
Width	45 mm

Height	75 mm
Depth	110 mm
Maximum transmission error	0.1 % (of final value)
Maximum temperature coefficient	≤ 0.01 %/K
Measuring rate	2 Hz
Status display	5-position 7-segment display and LEDs
Display resolution	0,1 °C / 0,01 V / 0,01 mA / 0,1 Ω
Protective circuit	Transient protection, polarity protection
Ambient temperature (operation)	-20 °C ... 65 °C
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2:2005
Color	green
Housing material	ABS
Mounting position	Any
Conformance	CE-compliant
UL, USA / Canada	cULus

#### Certificates / Approvals



Certification

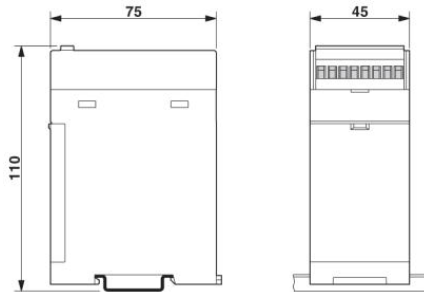
CUL, GOST, UL

#### Accessories

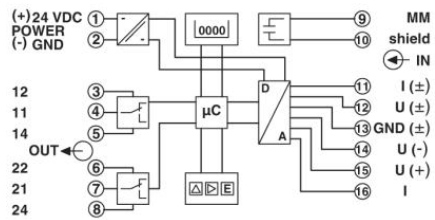
Item	Designation	Description
<b>Cable/conductor</b>		
2881078	CM-KBL-RS232/USB	Connecting cable D-9-SUB to USB, with adapter D-9-SUB to D-25-SUB.
2814391	MCR-TTL-RS232	Software adapter cable (6-pos./D-SUB 25-pos.), 1.5 m, for programming MCR-PSP modules
<b>General</b>		
2814799	MCR/PI-CONF-WIN	PI/MCR configuration software, for programming the PI/Ex-RTD..., PI/Ex-THC..., MCR-T-..., MCR-PSP-..., MCR-f... and MCR-s...modules

## Diagrams/Drawings

### Dimensioned drawing



### Circuit diagram



**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



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