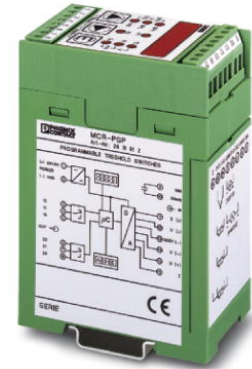


MCR-PSP


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

Input data

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 Ω ... 8 k Ω (only 2-wire connection)
	Current: - 30 mA...+ 30 mA
	Voltage: - 30 V...+ 30 V
Input resistance of voltage input	200 k Ω
Input resistance current input	50 Ω
Discontinuous control resolution	0,1 °C / 0,01 V / 0,01 mA / 0,1 Ω

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 ⁷ 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 ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
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

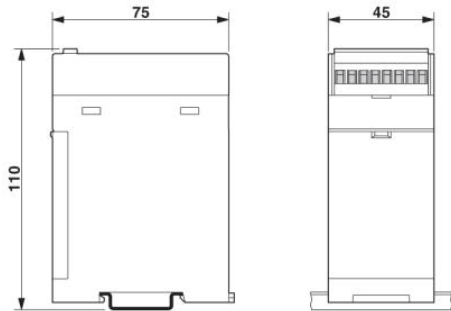
CUL, GOST, UL

Accessories

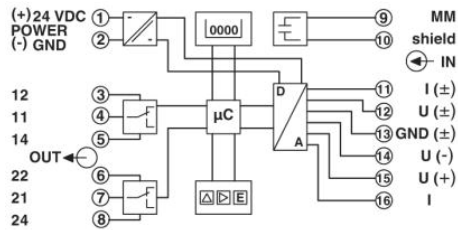
Item	Designation	Description
Cable/conductor		
2881078	CM-KBL-RS232/USB	Connecting cable D-9-SUB to USB, with adapter D-9-SUB to D-25-SUB.
2814391	MCR-TTL-RS232	Software adapter cable (6-pos./D-SUB 25-pos.), 1.5 m, for programming MCR-PSP modules
General		
2814799	MCR/PI-CONF-WIN	

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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