

Limit value switches - MCR-2SP-UI-DC - 2769873

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




MCR limit value switch, with two adjustable relay contacts, with electrically isolated auxiliary power supply, input signal 0...10 V/0...20 mA

The illustration shows version MCR-2SP-UI



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 067694
Weight per Piece (excluding packing)	256.9 GRM
Custom tariff number	85389091
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
-------------------------	---

Dimensions

Width	45 mm
Height	75 mm
Depth	108 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 65 °C
---------------------------------	------------------

Input data

Description of the input	Analog input
--------------------------	--------------

Limit value switches - MCR-2SP-UI-DC - 2769873

Technical data

Input data

Configurable/programmable	Yes
Voltage input signal	0 V ... 10 V
Current input signal	0 mA ... 20 mA
Max. input voltage	13 V
Max. input current	100 mA
Input resistance of voltage input	200 kΩ
Input resistance current input	50 Ω
Internal hysteresis	approx. 100 mV
	approx. 200 μA
Setting option	2-figure momentary-contact coding switch (0 ... 99%)
	External analog value definition
	2-figure momentary-contact coding switch (0 ... 99%) and external analog value definition
Description of the input	Setpoint input
Number of inputs	2
Configurable/programmable	Yes
Voltage input signal	0 V ... 10 V
Current input signal	0 mA ... 20 mA
Max. input voltage	13 V
Max. input current	100 mA
Input resistance of voltage input	200 kΩ
Input resistance current input	50 Ω

Switching output

Output name	Relay output
Contact type	2 PDT contact, pick-up/drop-out (can be switched)
Contact material	Silver cadmium oxide (AgCdO)
Maximum switching voltage	250 V AC
Mechanical service life	3 x 10 ⁷ cycles
Setting range of the response delay	8 ms ... 4 s (adjustable)
Status display	LED

Power supply

Supply voltage range	20 V DC ... 30 V DC
Max. current consumption	< 100 mA

Connection data

Connection method	Pluggable screw connection
Conductor cross section solid min.	0.2 mm ²

Limit value switches - MCR-2SP-UI-DC - 2769873

Technical data

Connection data

Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Stripping length	8 mm
Screw thread	M3

General

No. of channels	2
Maximum temperature coefficient	≤ 0.01 %/K
Step response (10-90%)	8 ms
Test voltage input/power supply	1 kV AC (50 Hz, 1 min.)
Color	green
Housing material	ABS
Mounting position	any
Conformance	CE-compliant
UL, USA / Canada	cULus

Classifications

eCl@ss

eCl@ss 4.0	27200303
eCl@ss 4.1	27200303
eCl@ss 5.0	27200303
eCl@ss 5.1	27200303
eCl@ss 6.0	27200303
eCl@ss 7.0	27142316
eCl@ss 8.0	27142316

ETIM

ETIM 2.0	EC001440
ETIM 3.0	EC001440
ETIM 4.0	EC001440
ETIM 5.0	EC001440

UNSPSC

UNSPSC 6.01	30211506
-------------	----------

Limit value switches - MCR-2SP-UI-DC - 2769873

Classifications

UNSPSC

UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

cUL Recognized

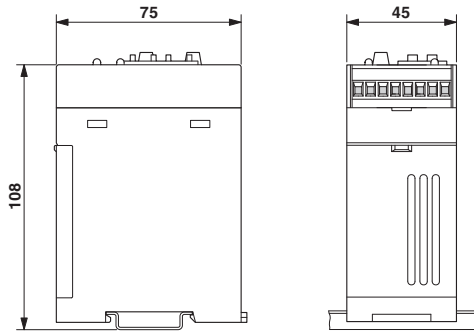
GOST

cULus Recognized

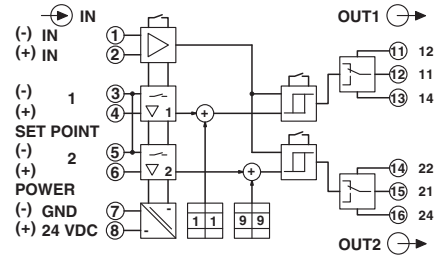
Drawings

Limit value switches - MCR-2SP-UI-DC - 2769873

Dimensioned drawing



Circuit diagram



Application drawing

