

Limit value switches - MCR-SWS-U - 2766465

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MCR threshold value switches, with adjustable hysteresis and relay/transistor output, input signal 0..10 V

Why buy this product

- Adjustable hysteresis
- Monitoring of three signal states
- Relay/transistor output
- Limit value indication
- 0 ... 10 V or 0 ... 20 mA input
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Key commercial data

Packing unit	1 pc
GTIN	 4 017918 066710
Weight per Piece (excluding packing)	124.7 g
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
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Dimensions

Width	17.5 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

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

Input data

Description of the input	Voltage input
Voltage input signal	0 V ... 10 V
Max. input voltage	11 V
Input resistance of voltage input	≥ 100 kΩ
Min setting range of the voltage threshold value	0 V ... 10 V
Setting range of the hysteresis	0.1 V ... 10 V (setting accuracy: ± 30 mV)
Internal hysteresis	± 30 mV (around the lower/upper switching point)
Setting option	Setting potentiometer, scaled 270° potentiometer

Switching output

Output name	Transistor output, pnp
Number of outputs	3
Output voltage range	20 V DC ... 30 V DC
Continuous load current	100 mA
Output name	Relay output
Contact type	1 PDT
Contact material	AgNi 0,15 + HTV (hard gold-plated)
Maximum switching voltage	250 V AC (30 V DC)
Mechanical service life	10 ⁷ cycles
Status display	LED

Power supply

Supply voltage range	20 V DC ... 30 V DC
Max. current consumption	typ. 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 AWG min.	24
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Stripping length	8 mm
Screw thread	M3

General

No. of channels	1
Maximum temperature coefficient	≤ 0.02 %/K
Step response (10-90%)	< 25 ms
Color	green
Housing material	Polyamide PA non-reinforced
Mounting position	any

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Technical data

General

Conformance	CE-compliant
UL, USA / Canada	UL 508 Recognized

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	27210122

ETIM

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

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

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Approvals

UL Recognized

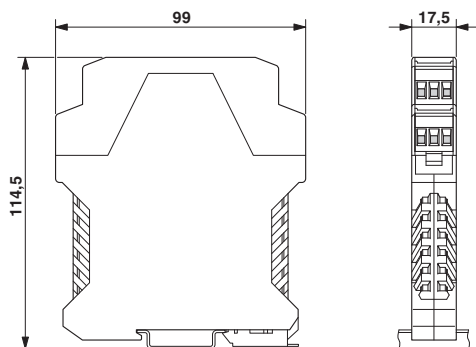
cUL Recognized

EAC

cULus Recognized

Drawings

Dimensional drawing



Circuit diagram

