

MCR-SL-D-SPA-UI - Setpoint adjuster



2710314

<https://www.phoenixcontact.com/us/products/2710314>

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Digital setpoint encoders with manual and automatic ramp for defining current and voltage signals, 4-pos. display

Your advantages

- Automatic setpoint definition with hold function and 20 interpolation points
- Manual setpoint definition via direct input
- Flexible, adjustable signal ranges of 0 ... 12 V or 0 ... 24 mA
- Data backup in the event of power failure
- Manual setpoint definition with incremental setting
- Display value parameterization
- Electrical isolation between output and supply

Commercial Data

Item number	2710314
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	C401
Product Key	CK1311
Catalog Page	Page 188 (C-5-2019)
GTIN	4046356091190
Weight per Piece (including packing)	108.3 g
Weight per Piece (excluding packing)	100 g
Customs tariff number	90328900
Country of origin	DE

Technical Data

Product properties

Product type	Digital displays
Configuration	Keyboard

System properties

Functionality

Configuration	Keyboard
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Electrical properties

Maximum power dissipation for nominal condition	0.8 W (20 mA, 500 Ω)
Test voltage output/power supply	500 V AC (50 Hz, 60 s)
Maximum temperature coefficient	0.02 %/K
Maximum transmission error	< 0.2 % ((full-scale) at rated voltage)

Supply

Supply voltage range	10 V DC ... 30 V DC
Power consumption	1 W (With 24 mA/12 V)

Input data

Signal

Display	7-segment, 8 mm, red
Number of positions displayed	4
Switching level "1" signal	4 V DC ... 30 V DC
Switching level "0" signal	0 V DC ... 2 V DC
Measuring rate	0.1s ⁻¹ / 0.5s ⁻¹

Output data

Signal

Voltage output signal	0 V ... 12 V
Current output signal	0 mA ... 24 mA
Load/output load voltage output	≥ 2 k Ω
Load/output load current output	≤ 500 Ω (up to 20 mA) ≤ 400 Ω (> 20 mA)
Ripple	≤ 10 mV _{PP}
Number of positions displayed	4
Display	7-segment LED; 8 mm; red

Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3

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Conductor cross section rigid	0.14 mm² ... 1.5 mm²
Conductor cross section flexible	0.14 mm² ... 1.5 mm²
Conductor cross section AWG	26 ... 16

Dimensions

Width	48 mm
Height	24 mm
Depth	68 mm

Material specifications

Housing material	Macrolon 2405
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 (Front)
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-25 °C ... 85 °C

Approvals

CE

Certificate	CE-compliant
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UL, USA/Canada

Identification	UL 863
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EMC data

Noise immunity	EN 61000-6-2
	EN 61000-4-2
Noise emission	EN 55011 / class B

Mounting

Mounting type	Panel mount
	DIN rail

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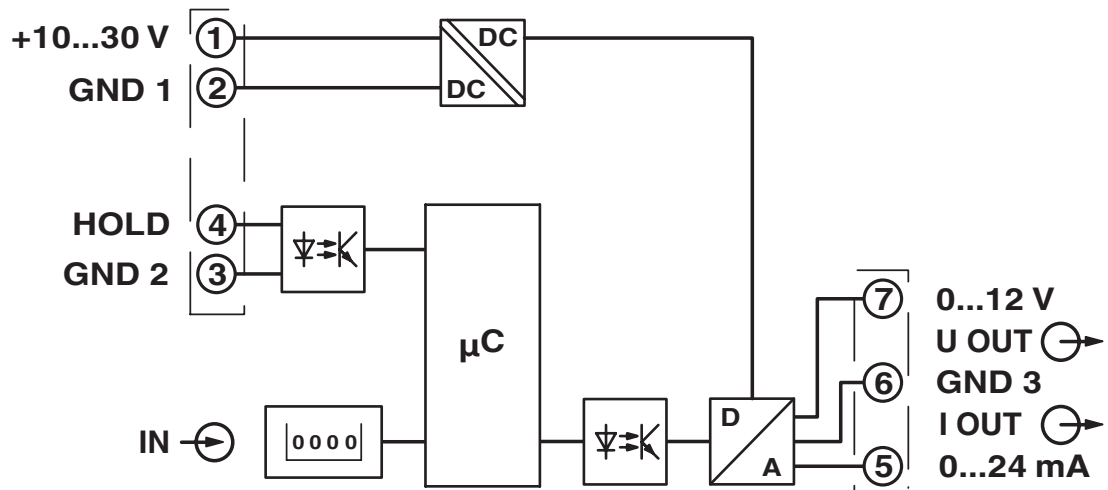
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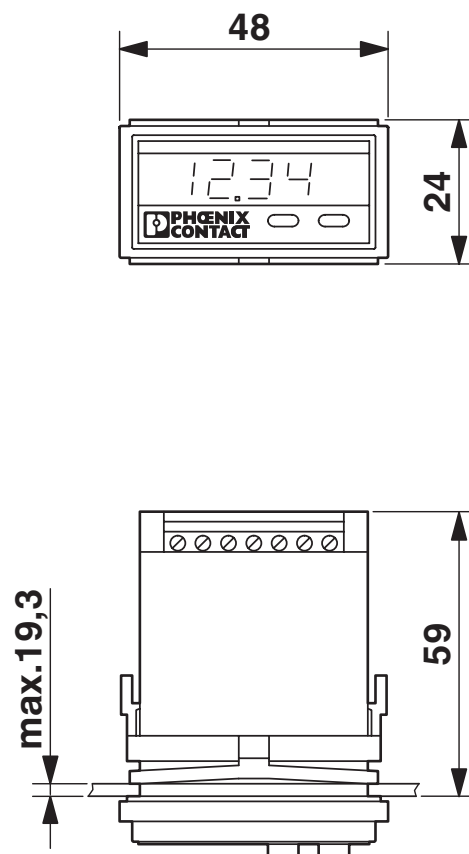


Drawings

Circuit diagram



Dimensional drawing



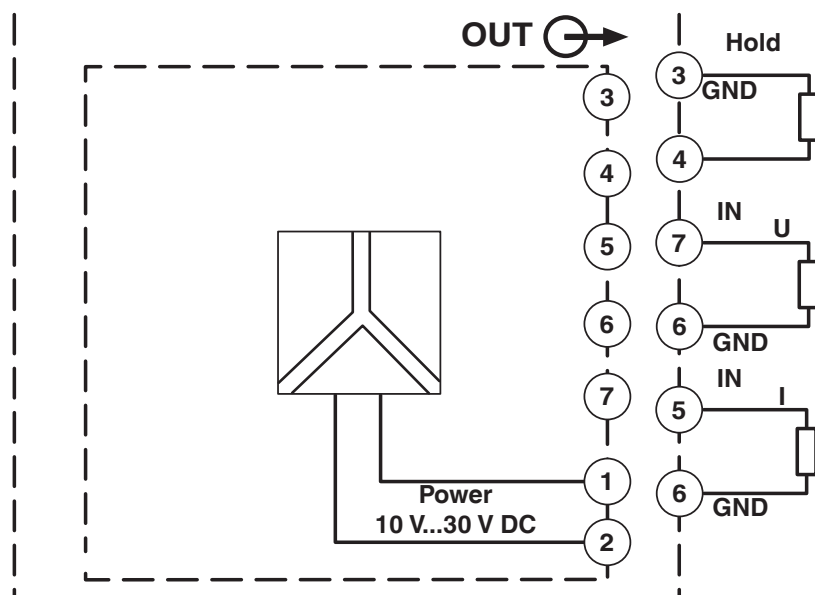
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Block diagram



Block diagram MCR-SL-D-SPA-UI


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Approvals

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cUL Recognized
Approval ID: FILE E 197577



UL Recognized
Approval ID: FILE E 197577



EAC
Approval ID: RU*DE.*08.B.01522/19

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Classifications

ECLASS

ECLASS-11.0	27210301
ECLASS-13.0	27210301
ECLASS-12.0	27210301

ETIM

ETIM 8.0	EC011349
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UNSPSC

UNSPSC 21.0	39121000
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

MCR-SL-D-RA - DIN rail adapter

2810081

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DIN rail adapter for digital displays in a 24x48 mm housing. Suitable for 35 mm DIN rails in acc. with EN 60715.

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