

# MCR-PS- 24DC-10DC - Signal conditioner



2766685

<https://www.phoenixcontact.com/us/products/2766685>

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MCR constant voltage source, input voltage 18 - 30 V DC, output voltage 10 V DC



## Your advantages

- Voltage reference for setpoint definition in conjunction with potentiometers

## Commercial data

Item number	2766685
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	CK1844
Catalog page	Page 423 (IF-2011)
GTIN	4017918066796
Weight per piece (including packing)	114.7 g
Weight per piece (excluding packing)	110 g
Customs tariff number	85044082
Country of origin	DE

## Technical data

### Product properties

Product type	Constant voltage source
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### Electrical properties

Maximum temperature coefficient	$\leq 0.015\ \%/\text{K}$
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### Input data

Nominal input voltage range	18 V DC ... 30 V DC
Current consumption	approx. 10 mA (with no load on the output)

### Output data

Nominal output voltage	+ 10 V DC $\pm 0,1\ \%$
Residual ripple	$\leq 50\ \text{mV}_{\text{PP}}$
Short-circuit current	approx. 65 mA

### Connection data

#### Input

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

#### Output

Connection method	Pluggable screw connection
Conductor cross section, rigid min.	0.2 mm <sup>2</sup>
Conductor cross section, rigid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Stripping length	8 mm

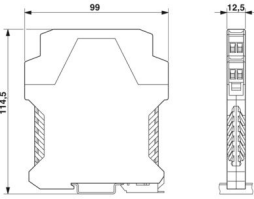
### Dimensions

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Dimensional drawing		
Width		12.5 mm
Height		99 mm
Depth		114.5 mm
Horizontal pitch		0.7 Div.

## Material specifications

Housing material	Polyamide PA non-reinforced
Type of housing	Polyamide PA non-reinforced, color: green

## Environmental and real-life conditions

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

## Approvals

Conformity/Approvals	
Conformance	CE-compliant

## Mounting

Mounting position	any
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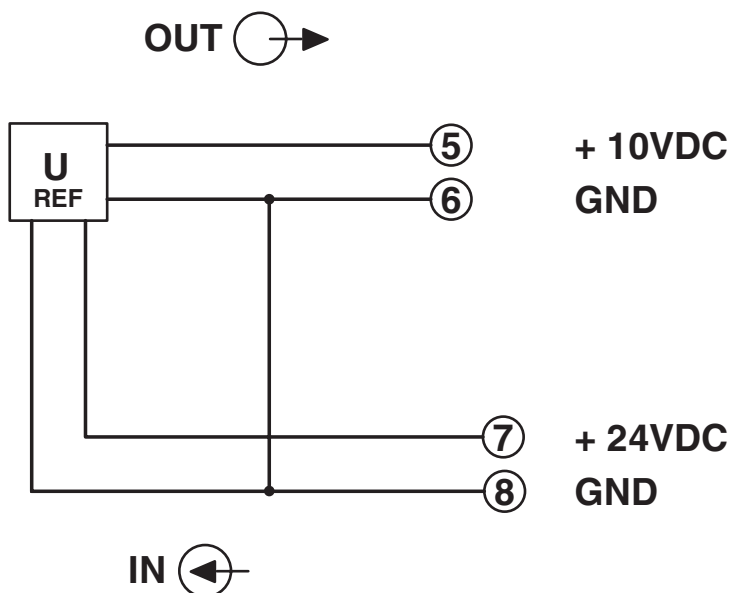
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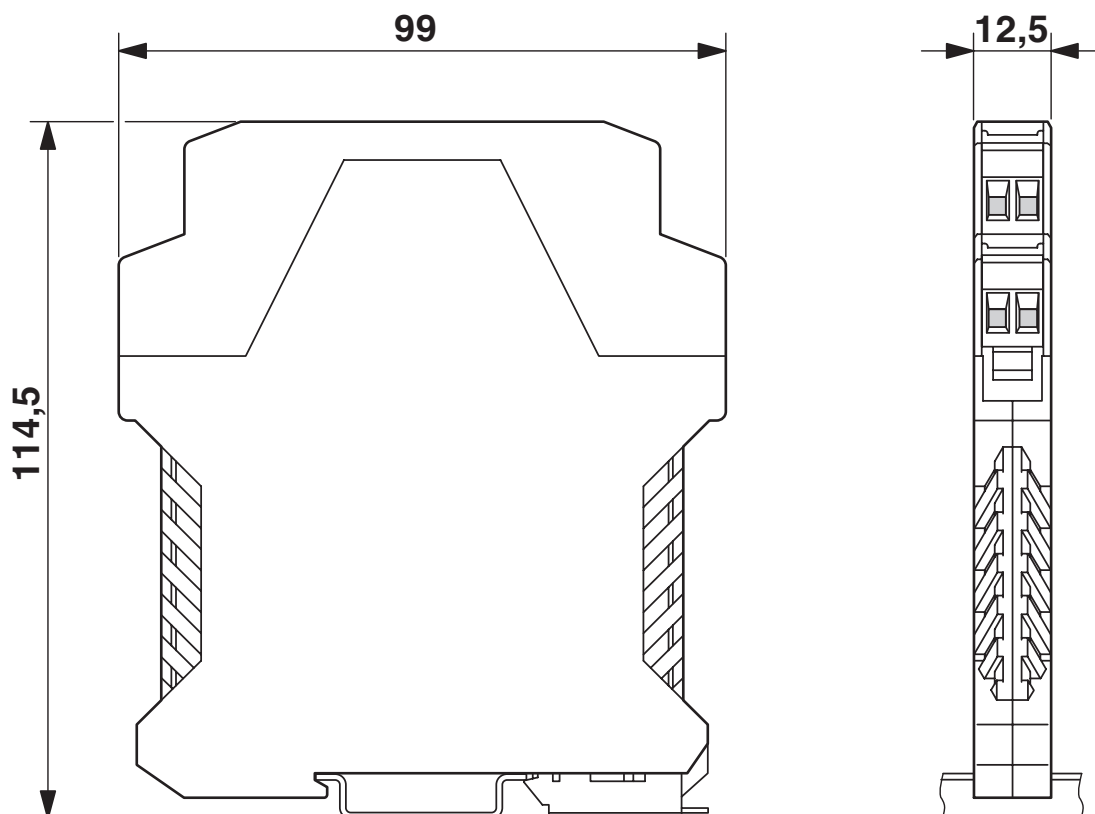


## Drawings

Circuit diagram



Dimensional drawing



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## Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I
EU REACH SVHC	
REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)

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