

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



2766685

<https://www.phoenixcontact.com/pc/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
Minimum order quantity	1 pc
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	85044083
Country of origin	DE

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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	$\leq 50\text{ mV}_{PP}$
Short-circuit current	approx. 65 mA

Connection data

Input

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

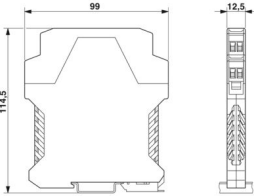
Dimensions

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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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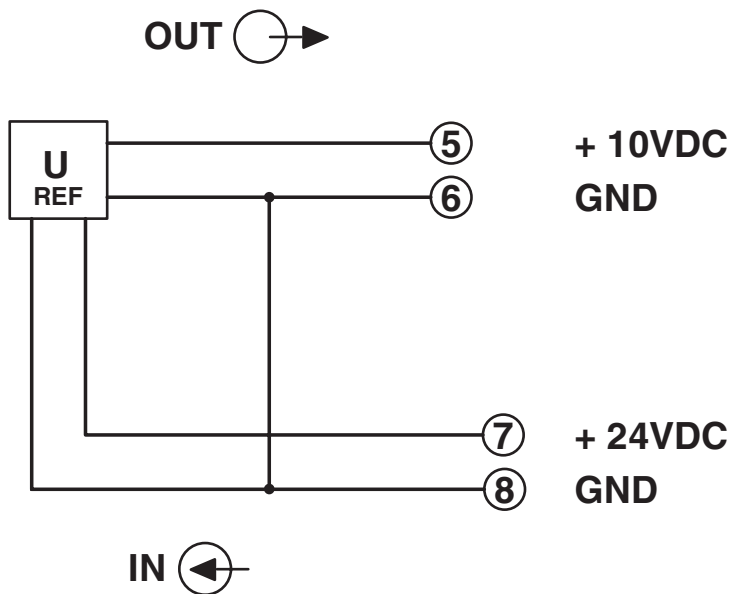
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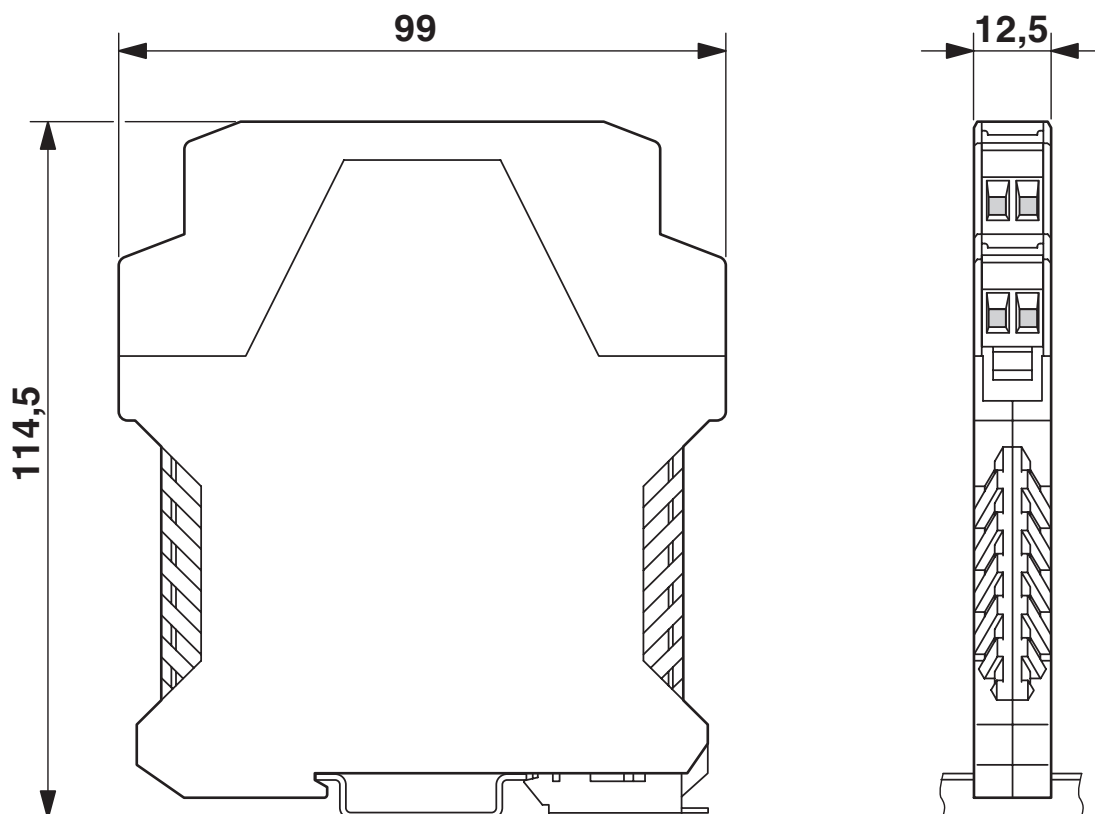


Drawings

Circuit diagram



Dimensional drawing



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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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com