Signal conditioner - MCR-C-I-I-00-DC - 2814508

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MCR 3-way signal conditioner, for electrical isolation of analog signals, input signal: 0(4) mA ... 20 mA, output signal: 0(4) mA ... 20 mA. Replacement part: 2901998 MINI MCR-2-I-I.

Your advantages

- Fixed setting of input and output signals
- Processing of standard signals
- 3-way isolation

Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 156190
GTIN	4017918156190
Weight per Piece (excluding packing)	81.660 g
Custom tariff number	85437090
Country of origin	Germany

Technical data

Note

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

Dimensions

Width	12.5 mm
Height	99 mm
Depth	114.5 mm

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Technical data

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C

Input data

Description of the input	Current input
Number of inputs	1
Configurable/programmable	no
Current input signal	0 mA ... 20 mA
	4 mA ... 20 mA
Max. input current	50 mA
Input resistance current input	50 Ω

Output data

Output name	Current output
Number of outputs	1
Configurable/programmable	no
Current output signal	0 mA ... 20 mA
	4 mA ... 20 mA
Max. output current	30 mA
Load/output load current output	≤ 500 Ω
Linear transmission range (in reference to the output range end value)	0 % ... 105 %

Power supply

Supply voltage range	20 V DC ... 30 V DC
Typical current consumption	< 15 mA (without load)

General

No. of channels	1
Maximum transmission error	≤ 0.2 % (of final value)
Transmission error, typical	0.1 % (of final value)
Maximum temperature coefficient	< 0.015 %/K
Limit frequency (3 dB)	30 Hz
Step response (10-90%)	11 ms
Protective circuit	Transient protection
Test voltage, input/output/supply	1.5 kV (50 Hz, 1 min.)
Color	green
Housing material	Polyamide PA non-reinforced
Mounting position	any

Standards and Regulations

Connection in acc. with standard	CUL

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Technical data

Standards and Regulations

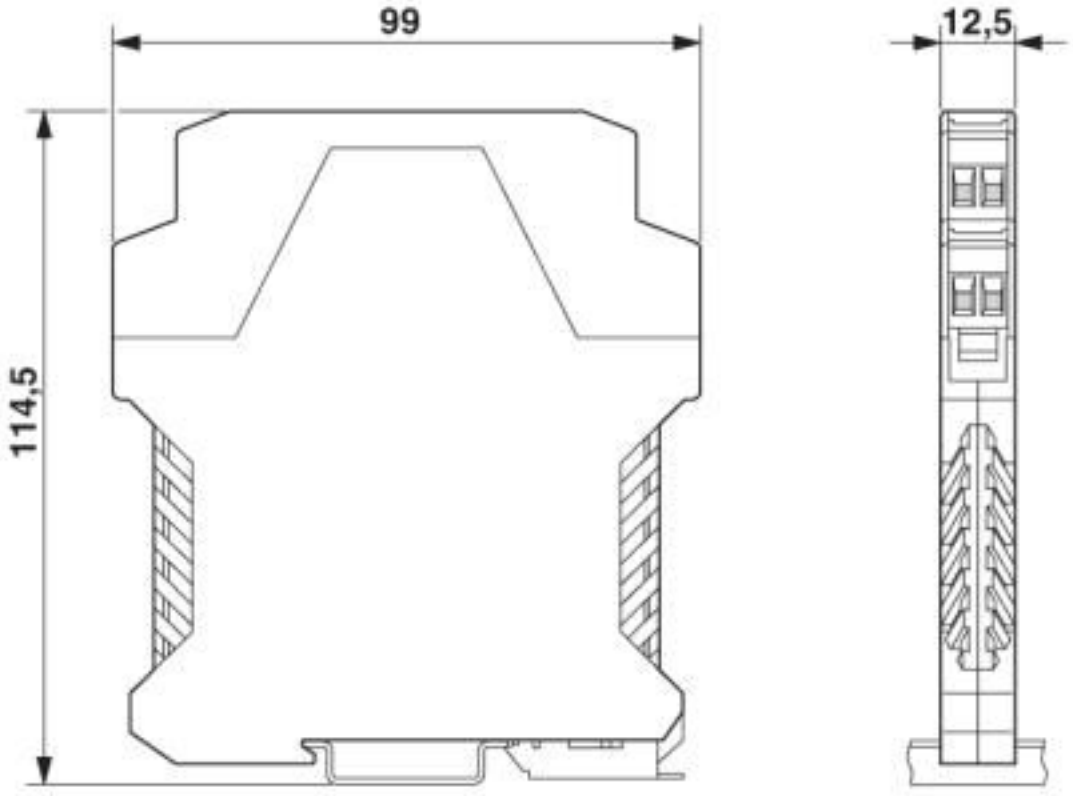
Conformance	CE-compliant

Environmental Product Compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer's declaration”

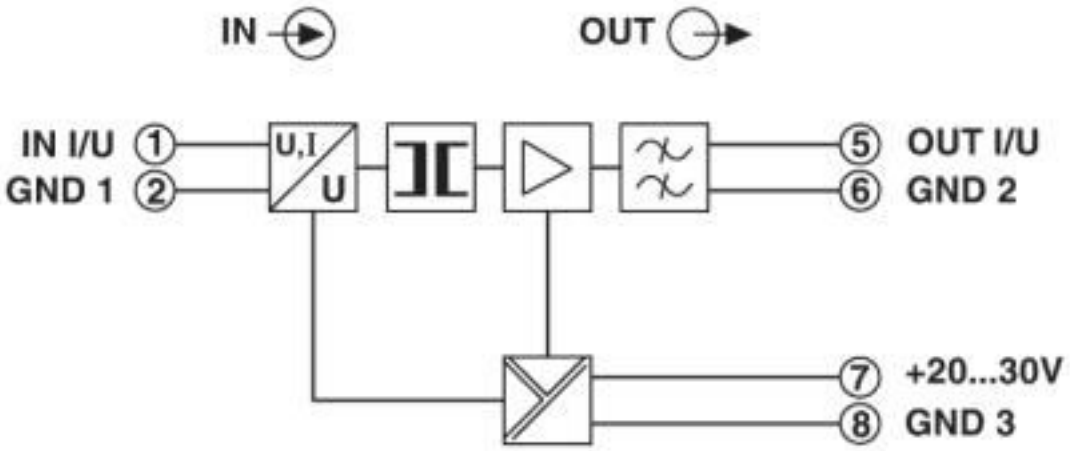
Drawings

Dimensional drawing



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Circuit diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27210120
eCl@ss 4.0	27210100
eCl@ss 4.1	27210100
eCl@ss 5.0	27210100
eCl@ss 5.1	27210100
eCl@ss 6.0	27210100
eCl@ss 7.0	27210120
eCl@ss 8.0	27210120
eCl@ss 9.0	27210120

ETIM

ETIM 4.0	EC002653
ETIM 5.0	EC002653
ETIM 6.0	EC002653
ETIM 7.0	EC002653

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008
UNSPSC 18.0	39121008

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Classifications

UNSPSC

UNSPSC 19.0	39121008
UNSPSC 20.0	39121008
UNSPSC 21.0	39121008

Approvals

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Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
EAC			RU*DE.*08.B.01536/19
cULus Recognized			

Accessories

Accessories

Loop bridge

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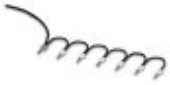
Accessories

Wire bridge - DB 50- 90 GY - 2820929



Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm^2, loop length: 90 mm, ferrule length: 8 mm, color: gray

Wire bridge - DB 50- 90 BK - 2820916



Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm^2, loop length: 90 mm, ferrule length: 8 mm, color: black

Wire bridge - DB 50- 90 BU - 2821180



Flexible wire loop bridge, 50-pos., conductor cross-section: 0.5 mm^2, loop length: 90 mm, ferrule length: 8 mm, color: blue

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