Signal conditioner - MCR-C-I-U- 0-DC - 2814498

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The figure shows version MCR-C-I-I-00-DC

MCR 3-way isolating amplifier, for electrical isolation of analog signals, input signal: 0 mA ... 20 mA/(+/-)20 mA, output signal: 0 V ... 10 V/(+/-)10 V

Your advantages

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

Key Commercial Data

Packing unit	5 pc
GTIN	4 017918 156183
GTIN	4017918156183
Weight per Piece (excluding packing)	82.090 g
Custom tariff number	85437090
Country of origin	Germany
Note	Made to Order (non-returnable)

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

Ambient conditions

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Technical data

Ambient conditions

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

Input data

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

Output data

Output name	Voltage output
Configurable/programmable	no
Voltage output signal	0 V ... 10 V
	-10 V ... 10 V
Max. output voltage	15 V
Load/output load voltage output	> 10 kΩ
Linear transmission range (in reference to the output range end value)	-110 % ... 110 % (Bipolar signals)

Power supply

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

Connection data

Connection method	Pluggable screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Stripping length	8 mm
Screw thread	M3

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.)

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Technical data

General

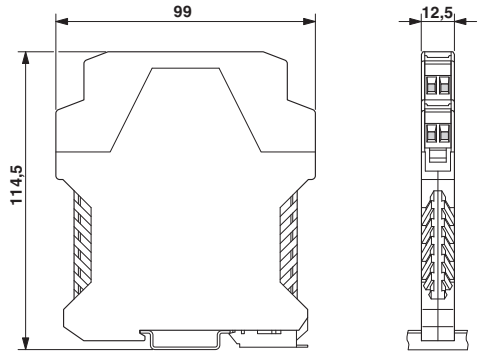
Color	green
Housing material	Polyamide PA non-reinforced
Mounting position	any
Conformance	CE-compliant

Standards and Regulations

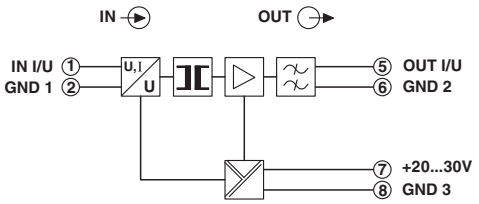
Conformance	CE-compliant

Drawings

Dimensional drawing



Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27210120
eCl@ss 4.1	27210120
eCl@ss 5.0	27210120
eCl@ss 5.1	27210120
eCl@ss 6.0	27210120
eCl@ss 7.0	27210120
eCl@ss 8.0	27210121
eCl@ss 9.0	27210121

ETIM

ETIM 2.0	EC001485
ETIM 3.0	EC001485
ETIM 4.0	EC001485
ETIM 5.0	EC001485

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008

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Classifications

UNSPSC

UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008