

Signal conditioner - MCR-FL-C-UI-UI-B-DCI-24/230 - 2864325

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Configurable 3-way isolating amplifier in bipolar version, standard signal range +/-20 mA or +/-10 V

The figure shows a version of the product



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	105.560 g
Custom tariff number	85437090
Country of origin	Germany

Technical data

Dimensions

Width	12.5 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 65 °C
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Input data

Description of the input	Current input
Current input signal	0 mA ... 20 mA
	0 mA ... 10 mA
	4 mA ... 20 mA
	2 mA ... 10 mA
	-20 mA ... 20 mA

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Technical data

Input data

	-10 mA ... 10 mA
Max. input current	≤ 100 mA
Input resistance current input	approx. 25Ω
Description of the input	Voltage input
Voltage input signal	0 V ... 10 V
	0 V ... 5 V
	2 V ... 10 V
	1 V ... 5 V
	-10 V ... 10 V
	-5 V ... 5 V
max. input voltage	≤ 30 V
Input resistance of voltage input	approx. $1 \text{ M}\Omega$

Output data

Voltage output signal	0 V ... 10 V
	0 V ... 5 V
	2 V ... 10 V
	1 V ... 5 V
	-10 V ... 10 V
	-5 V ... 5 V
Current output signal	0 mA ... 20 mA
	0 mA ... 10 mA
	4 mA ... 20 mA
	2 mA ... 10 mA
	-20 mA ... 20 mA
	-10 mA ... 10 mA
Max. output voltage	15 V
Max. output current	35 mA
Load/output load voltage output	$> 10 \text{ k}\Omega$
Load/output load current output	$\leq 600 \Omega$
Ripple	$< 20 \text{ mV}_{\text{pp}}$

Power supply

Supply voltage range	24 V AC/DC ... 230 V AC/DC
Max. current consumption	60 mA (Without load current)
Power consumption	approx. 2 VA (AC)
	approx. 1 W (DC)

General

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Technical data

General

Maximum transmission error	≤ 0.1 % (of final value)
Maximum temperature coefficient	0.01 %/K
Limit frequency (3 dB)	8 kHz / 30 Hz switchable
Frequency measuring range	48 Hz ... 62 Hz
Alignment zero	± 15 %
Alignment span	± 15 %
Step response (10-90%)	30 µs (at 8 kHz)
	15 ms (At 30 Hz)
Test voltage, input/output/supply	4 kV (50 Hz, 1 min.)
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2:2005
Color	green
Housing material	Polyamide PA non-reinforced
Mounting position	any
Conformance	CE-compliant

Standards and Regulations

Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2:2005
Conformance	CE-compliant

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

<https://www.phoenixcontact.com/us/products/2864325>



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Classifications

UNSPSC

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

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