

MCR-SL-S-1/5-I-DCI-230

This product has been replaced by a newer version.

Order No.: 2814825

The illustration shows version MCR-SL-S-1-5-I-DCI-24



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2814825>

MCR current measuring transducer, for sinusoidal alternating currents 0..1 A AC/0..5 A AC, supply voltage 85-230 V AC/DC, output signal 0(4)..20 mA

Commercial data

EAN	4017918188061
Pack	1 pcs.
Customs tariff	85437090
Weight/Piece	0.1783 KG
Catalog page information	Page 290 (IF-2005)

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Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Input data

Input	Current measuring input 1 A
Input current range	0 A AC ... 1 A AC
Impulse form	Sine
Overload capacity	1.2 x I _N (continuous)
Surge strength	20 x I _N

Nominal frequency f_N	50 Hz
	60 Hz
Type of connection	Screw connection
Input	Current measuring input 5 A
Input current range	0 A AC ... 5 A AC
Impulse form	Sine
Overload capacity	1.2 x I_N (continuous)
Surge strength	20 x I_N
Nominal frequency f_N	50 Hz
	60 Hz
Frequency measuring range	50 Hz ... 60 Hz
Type of connection	Screw connection

Output data

Output name	Current output
Current output signal	0 mA ... 20 mA
	4 mA ... 20 mA
Max. output current	Approx. 30 mA
Load/output load current output	< 750 Ω

Power supply

Range of supply voltages	85 V AC/DC ... 230 V AC/DC
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Connection data

Type of connection	Pluggable screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M3

General data

Width	22.5 mm
Height	99 mm

Depth	114.5 mm
Transmission error, max.	0.5 %
Transmission error, typical	0.5 % (class 0.5)
Step response (10-90%)	< 300 ms
Ambient temperature (operation)	-10 °C ... 55 °C
Degree of protection	IP40 (housing) / IP20 (connection terminal blocks)
Class of protection	II
Pollution degree	2
Surge voltage category	III
Electromagnetic compatibility	Conformance with EMC directive 89/336/EEC
Color	green
Housing material	Polyamide PA non-reinforced
Mounting position	Any

Certificates / Approvals

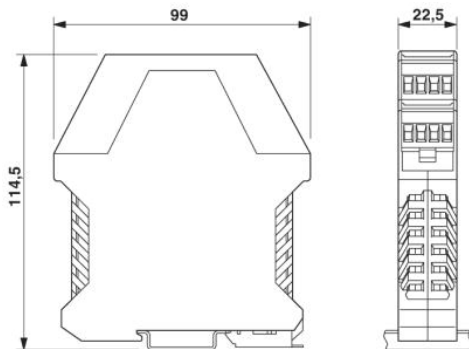


Certification

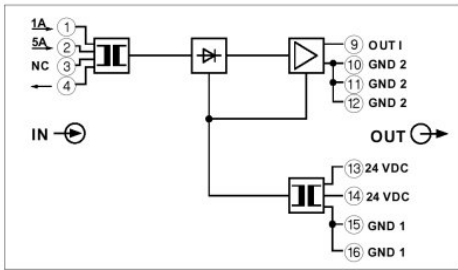
CSA, GOST, PRS, UCSA

Drawings

Dimensioned drawing



Circuit diagram



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