

Current transducers - MCR-SL-S-1-5-I-DCI-230 - 2814825

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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

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 188061
Weight per Piece (excluding packing)	178.3 g
Custom tariff number	85389091
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Width	22.5 mm
Height	99 mm
Depth	114.5 mm

Ambient conditions

Ambient temperature (operation)	-10 °C ... 55 °C
Degree of protection	IP40 (housing) / IP20 (connection terminal blocks)

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

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Technical data

Input data

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

Supply voltage range	85 V AC/DC ... 230 V AC/DC
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Connection data

Connection method	Pluggable screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Stripping length	8 mm
Screw thread	M3

General

Maximum transmission error	0.5 %
Transmission error, typical	0.5 % (class 0.5)
Step response (10-90%)	< 300 ms
Protection class	II
Surge voltage category	III
Pollution degree	2
Test voltage input/output	4 kV (50 Hz, 1 min.)
Test voltage input/power supply	4 kV (50 Hz, 1 min.)

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General

Test voltage output/power supply	4 kV (50 Hz, 1 min.)
Electromagnetic compatibility	Conformance with EMC directive 89/336/EC
Color	green
Housing material	Polyamide PA non-reinforced
Mounting position	any

Classifications

eCl@ss

eCl@ss 4.0	27200303
eCl@ss 4.1	27200303
eCl@ss 5.0	27200303
eCl@ss 5.1	27200303
eCl@ss 6.0	27200303

ETIM

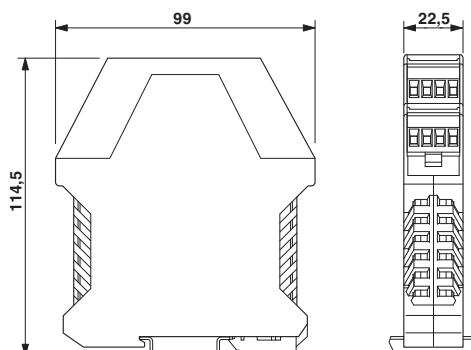
ETIM 2.0	EC001440
ETIM 3.0	EC001440
ETIM 4.0	EC001440

UNSPSC

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

Drawings

Dimensional drawing



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Circuit diagram

