

Universal current transducer - MCR-SL-CUC-600-I - 2308098

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Universal current transducer, for measuring DC, AC, and distorted currents, 0 ... 600 A input current, 4 ... 20 mA output


The MCR-SL-CUC-100-I is illustrated

Why buy this product

- Variable mounting on DIN rail and mounting plate
- Simple connection technology thanks to COMBICON plug-in connection terminal blocks
- Compact dimensions also enable distributed use
- 3-way isolation
- Universal current measurement, no shunt required



Key commercial data

Packing unit	1 pc
GTIN	 4 046356 566988
Weight per Piece (excluding packing)	299.0 g
Custom tariff number	90303310
Country of origin	Japan

Technical data

Dimensions

Width	90 mm
Height	33.8 mm
Depth	85 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP20

Input data

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Input data

Input current range	0 A ... 600 A
Overload capacity	3 × I _{IN}
Frequency measuring range	20 Hz ... 6000 Hz (0 Hz)
Connection method	Cable design: 32 mm diameter

Output data

Output name	Current output
Current output signal	4 mA ... 20 mA
Max. output current	< 25 mA
Load/output load current output	< 300 Ω

Switching output

Output name	No switching output
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Power supply

Nominal supply voltage	24 V DC
Supply voltage range	20 V DC ... 30 V DC
Max. current consumption	((30 + I _{OUT}) mA)

Connection data

Conductor cross section solid min.	0.25 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max.	12
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Stripping length	10 mm

General

Maximum transmission error	<± 1 % (of final value)
Temperature coefficient, typical	0.02 %/K (0 ... 60°C)
	0.04 %/K (-40 ... 65°C)
Linearity error	<± 1 % (From the range end value)
Step response (10-90%)	150 ms
Surge voltage category	III
Pollution degree	2
Rated insulation voltage	300 V AC
Test voltage input/output	3.5 kV (50 Hz, 1 min.)
Test voltage input/power supply	3.5 kV (50 Hz, 1 min.)
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2
Color	green
Housing material	Franyl B63 V0 GV30

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General

Conformance	CE-compliant
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Classifications

eCl@ss

eCl@ss 4.0	27200303
eCl@ss 4.1	27200303
eCl@ss 5.0	27200303
eCl@ss 5.1	27210902
eCl@ss 6.0	27210902
eCl@ss 7.0	27210902
eCl@ss 8.0	27210902

ETIM

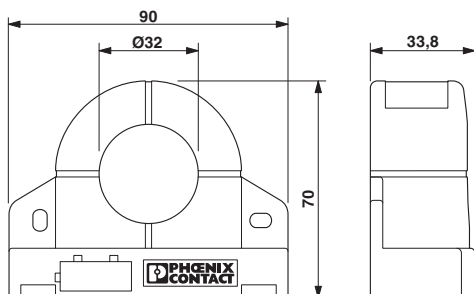
ETIM 3.0	EC002475
ETIM 4.0	EC002048
ETIM 5.0	EC002475

UNSPSC

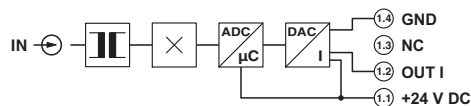
UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008

Drawings

Dimensioned drawing



Circuit diagram



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Schematic diagram

