

Universal current transducer - MCR-SL-CUC-200-U - 2308205

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Universal current transducer, for measuring DC, AC, and distorted currents, 0 ... 200 A input current, 0 ... 10 V output

Why buy this product

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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 569743
GTIN	4046356569743
Weight per Piece (excluding packing)	300.000 g
Custom tariff number	90303330
Country of origin	China

Technical data

Dimensions

Width	90 mm
Height	33.8 mm
Depth	85 mm

Ambient conditions

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Ambient conditions

Ambient temperature (operation)	-40 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Input data

Input current range	0 A ... 200 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	Voltage output
Voltage output signal	0 V ... 10 V
Load/output load voltage output	≥ 10 kΩ

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 mA

Connection data

Conductor cross section solid min.	0.25 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
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 °C ... 65 °C)
Linearity error	<± 1 % (From the range end value)
Step response (10-90%)	150 ms
Overvoltage category	III
Degree of pollution	2
Rated insulation voltage	300 V AC
Color	green

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Technical data

General

Housing material	Frianyl B63 V0 GV30
Conformance	CE-compliant
UL, USA/Canada	UL/C-UL listed UL 508

Standards and Regulations

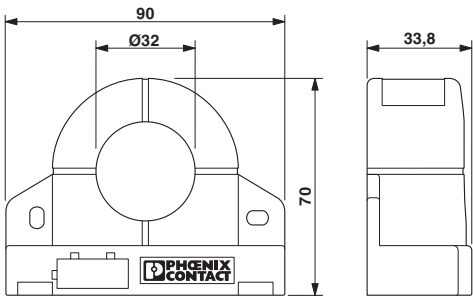
Conformance	CE-compliant
UL, USA/Canada	UL/C-UL listed UL 508

Environmental Product Compliance

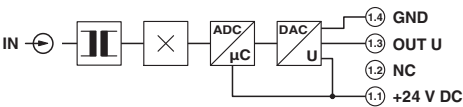
China RoHS	Environmentally Friendly Use Period = 25;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing

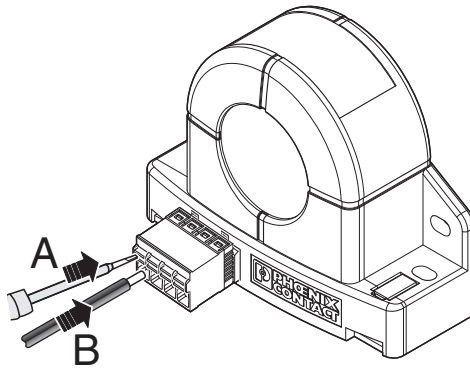


Circuit diagram



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Schematic diagram



Classifications

eCl@ss

eCl@ss 5.0	27210190
eCl@ss 5.1	27210190
eCl@ss 6.0	27210190
eCl@ss 7.0	27210123
eCl@ss 8.0	27210123
eCl@ss 9.0	27210123

ETIM

ETIM 3.0	EC002475
ETIM 4.0	EC002475
ETIM 5.0	EC002475
ETIM 6.0	EC002475

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121032

Approvals

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Approvals

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 123528
cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 123528
EAC			RU C- DE.A*30.B.01082
cULus Listed			