



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Current transducers - MCR-SL-S-200-U - 2813460

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MCR current measuring transducer, for measuring sinusoidal and non-sinusoidal alternating currents, input current 0...200 A, output voltage 0...(5) 10 V

### Why buy this product

- Can be retrofitted with open-up Rogowski coil
- 30 6000 Hz true r.m.s. value measurement
- Measuring range selection via slide switch
- Loop-powered



### Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356043649

### Technical data

#### Dimensions

Width	55 mm
Height	85 mm
Depth	70.5 mm

#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
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#### Input data

Input	Current measuring input
Input current range	0 A ... 200 A (0 ... 100/150/200 A)
Operate threshold	1 % (of final value)
Setting range for min. input current	0 A ... 100 A
Setting range for max. input current	0 A ... 200 A

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## Technical data

### Input data

Overload capacity	Depending on laid conductor
Surge strength	Depending on through connected conductor
Frequency measuring range	30 Hz ... 6000 Hz
Connection method	Clamp-on cable design, diameter 18.5 mm

### Output data

Output name	Voltage output
Voltage output signal	0 V ... 10 V
	0 V ... 5 V
Max. output voltage	(0 V ... 10 V) 14 V, (0 V ... 5 V) 7 V
Load/output load voltage output	≥ 10 kΩ

### Switching output

Output name	No switching output
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### Power supply

Supply voltage range	20 V DC ... 30 V DC
Max. current consumption	< 30 mA

### Connection data

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

### General

Maximum transmission error	< 1 % (of final value)
Maximum temperature coefficient	< 0.035 %/K
Step response (10-90%)	< 340 ms
Overvoltage category	III
Degree of pollution	2
Rated insulation voltage	300 V AC (to earth)
Test voltage input/output	5 kV (50 Hz, 1 min.)
Color	green
Housing material	Polyamide PA non-reinforced
Mounting position	any
Conformance	CE-compliant
UL, USA/Canada	UL/C-UL listed UL 508

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## Technical data

### General

Torque	0.5 Nm ... 0.6 Nm (4,4 ... 5,31 lbf-in.)
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### Standards and Regulations

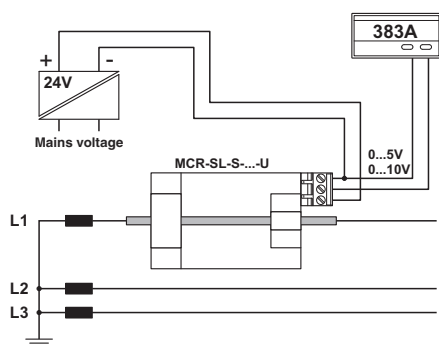
Conformance	CE-compliant
UL, USA/Canada	UL/C-UL listed UL 508

### Environmental Product Compliance

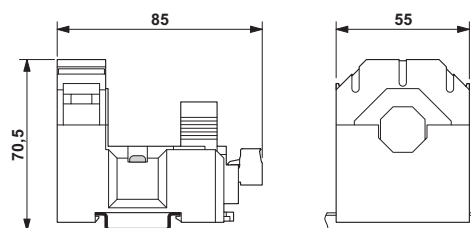
China RoHS	Environmentally Friendly Use Period = 25;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Application drawing

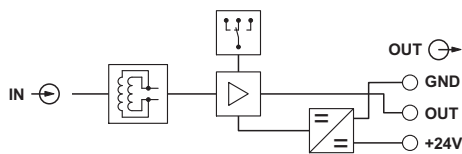


Dimensional drawing



### Current measurement

Circuit diagram



## Approvals

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UL Listed / cUL Listed / EAC / cULus Listed





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## Approvals

Ex Approvals

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### Approval details

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

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