INDUSTRIAL COMPONENT DATA

# MCR-SL-S-100-U 2813457 PHOENIX CONTACT Current transducers

**Brand: PHOENIX CONTACT | Manufacturer Part Number: MCR-SL-S-100-U**



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|---|---|
| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | MCR-SL-S-100-U |
| Catalog number | 2813457 |
| Category | Current value transformer |
| Minimum order | 1 Pcs |
| Document ID | EO-82A586EE12 |
| Generated | 2026-11-18 |

## Product Overview

Current transducers
MCR current converter, for measuring sinusoidal and non-sinusoidal alternating currents, input current 0...100 A, output voltage 0... (5) 10 V

STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification & Catalog Path

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|---|---|
| Catalog path | PHOENIX CONTACT > INTERFACE Components (IF) |

## Additional Product Information

Key Commercial Data
Orderkey 2813457
Packing unit 1 pc
Note Made to Order (non-returnable)
Catalog page Page 247 (C-5-2017)
GTIN 4046356043632
Weight per Piece (excluding packing) 137.100 g
Custom tariff number 85437090
Country of origin JP (Japan)
Dimensions
Primary round conductor (diameter) 18.5 mm
Width 55 mm
Height 85 mm

Depth 70.5 mm
Ambient conditions
Ambient temperature (operation) -20 °C ... 60 °C
Input data
Input Current measuring input
Input current range 0 A ... 100 A (0 ... 50/75/100 A)
Operate threshold 1 % (of final value)
Setting range for min. input current 0 A ... 50 A
Setting range for max. input current 0 A ... 100 A
Overload capacity Depending on laid conductor
Surge strength Depending on through connected conductor
Frequency measuring range 30 Hz ... 6000 Hz
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 k?
Switching output
Output name No switching output
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 mm²
Conductor cross section solid max. 2.5 mm²
Conductor cross section AWG min. 24
Conductor cross section AWG max. 14
Conductor cross section flexible min. 0.2 mm²
Conductor cross section flexible max. 2.5 mm²
Stripping length 8 mm
Screw thread M3
General
Maximum transmission error < 1...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MCR-SL-S-100-U with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.



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