INDUSTRIAL COMPONENT DATA

MACX MCR-SL-CAC- 5-I-UP 2810625 PHOENIX CONTACT Current transducers

Brand: PHOENIX CONTACT | Manufacturer Part Number: MACX MCR-SL-CAC-5-I-UP



Manufacturer	PHOENIX CONTACT
MPN / Reference	MACX MCR-SL-CAC-5-I-UP
Catalog number	2810625
Category	Current value transformer
Minimum order	1 Pcs
Document ID	EO-5125418343
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Product Overview

Current transducers
Current converter for 1 A and 5 A AC, output signal 0...20 mA or 4...20 mA, configurable via DIP switch with LED service status signalling
Current measuring transducer for 1 A and 5 A AC, the output signal 0...20 mA or 4...20 mA, can be configured using a DIP switch with an operating mode indication through an LED

STRUCTURED PRODUCT DATA

Technical Specifications

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

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > INTERFACE Components (IF)

Additional Product Information

Technical dataNotesUtilization restriction
EMC note EMC: class A product, see manufacturer's declaration in the download area
Product propertiesProduct type Current transducer
Data management status
Article revision 14
Insulation characteristics
Overvoltage category III
Pollution degree 2
Electrical propertiesMaximum power dissipation for nominal condition < 0.9 W (24 V DC)
< 3.4 W (230 V AC)
Protective circuit Surge protection; 35 V suppressor diode

Step response (10-90%) <= 300 ms
200 ms
Maximum temperature coefficient < 0.02 %/K
Temperature coefficient, typical < 0.015 %/K
Maximum transmission error <= 0.5 % (of nominal range value under nominal conditions)
Reverse polarity protection yes
Rated insulation voltage 300 V AC (to earth)
Electrical isolation Input/output
Test voltage 4 kV AC (50 Hz, 60 s)
Electrical isolation Output/supply
Test voltage 2 kV AC (50 Hz, 60 s)
Supply
Supply voltage range 19.2 V AC/DC ... 253 V AC/DC
Max. current consumption < 33 mA (24 V DC)
Power consumption < 0.8 W (24 V DC)
Input dataMeasurement
Configurable/programmable Via DIP switches
Input current range 0 A AC ... 1 A AC (configurable)
0 A AC ... 5 A AC (configurable)
Voltage input signal <= 300 V AC
Input impedance < 50 m?
Overload capacity 2 x IN (continuous)
Surge strength 20 x IN(1 s)
Nominal frequency fN 50 Hz
Frequency measuring range 45 Hz ... 65 Hz
Curve type Sine
Output dataSignal: Current
Configurable/programmable Via DIP switches
Non-load voltage 15 V
Current output signal 0 mA .....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / MACX MCR-SL-CAC-5-I-UP with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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