

MACX MCR-SL-CAC-12-I-UP

Order No.: 2810638

The figure shows 2810625 MACX MCR-SL-CAC-5-I-UP

<http://eshop.phoenixcontact.co.uk/phoenix/treeViewClick.do?UID=2810638>

Commercial data

EAN	4046356510356
Pack	1
Customs tariff	85437090
Weight/Piece	140.00 g
Country of Origin	DE
Catalog page information	Page 262 (NTK-2010)

Product notes

WEEE/RoHS-compliant since:
10/08/2009

Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Input data

Configurable/programmable	through DIP switch
Setting range for min. input current	0 A AC ... 5 A AC (configurable)
Setting range for max. input current	0 A AC ... 12 A AC (configurable)
Overload capacity	1 x I _N (continuous)
Surge strength	8 x I _N (1 s)
Nominal frequency f _N	50 Hz
Frequency measuring range	45 Hz ... 65 Hz

Type of connection	Screw terminal block
Output data	
Output name	Current output
Configurable/programmable	through DIP switch
Current output signal	0 mA ... 20 mA (configurable) 4 mA ... 20 mA (configurable)
Max. output current	25 mA
Load/output load current output	< 500 Ω (at 20 mA)
Status display	LED red (error), LED green (ready)
Power supply	
Nominal supply voltage	24 V DC (or 230 V AC)
Range of supply voltages	19.2 V AC/DC ... 253 V AC/DC
Max. current consumption	< 33 mA (for 24 V DC) < 15 mA (for 230 V AC)
Power consumption	< 0.8 W (for 24 V DC) < 3.5 VA (for 230 V AC)
Connection data	
Type of connection	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M3
General data	
Width	22.5 mm
Height	104 mm
Depth	114.5 mm
Transmission error, max.	≤ 0.5 % (of range nominal value under nominal conditions)
Maximum temperature coefficient	< 0.02 %/K
Temperature coefficient, typical	< 0.015 %/K

Step response (10-90%)	< 300 ms
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP20
Pollution degree	2
Rated insulation voltage	300 V AC (to earth)
Test voltage input/output	4 kV (50 Hz, 1 min.)
Test voltage output/power supply	2 kV (50 Hz, 1 min.)
Electromagnetic compatibility	Conformance with EMC directive 2004/108/EC
Emitted interference	EN 61000-6-4
Immunity to interference	EN 61000-6-2
Color	green
Housing material	Polyamide PA non-reinforced
Mounting position	Any
Conformity	CE compliant
ATEX	Ex II 3 G Ex nA II T4 X
UL, USA / Canada	UL applied for

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