Universal current transducer - MCR-SL-CUC-200-I - 2308030

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Universal current transducer, for measuring AC, DC, and distorted currents, 0 ... 200 A input current, 4 ... 20 mA output

Your advantages

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

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 434058
GTIN	4046356434058
Weight per Piece (excluding packing)	293.800 g
Custom tariff number	90303370
Country of origin	China

Technical data

Dimensions

Width	90 mm
Height	33.8 mm
Depth	85 mm
Primary round conductor (diameter)	32 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP20

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Ambient conditions

Noise immunity	EN 61000-6-2

Input data

Number of inputs	1
Input current range	0 A ... 200 A
Overload capacity	3 x I_{IN}
Frequency measuring range	20 Hz ... 6000 Hz (0 Hz)
Connection method	Cable design: 32 mm diameter
Rated frequency: Standard converter	20 Hz ... 6000 Hz
Primary rated current I_{pn}	200 A

Output data

Output name	Current output
Current output signal	4 mA ... 20 mA
Max. output current	< 25 mA
Load/output load current output	< 300 Ω

Switching output

Output name	No switching output

Power supply

Nominal supply voltage	24 V DC
Supply voltage range	20 V DC ... 30 V DC
Max. current consumption	(30 + I_{OUT}) mA
Power consumption	1.65 W

Connection data

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section solid	0.25 mm² ... 2.5 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12

General

Accuracy class	1
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
Test voltage input/output	3.5 kV (50 Hz, 1 min.)