

1191984

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Current measuring transducers for measuring AC, DC, and distorted currents. Configuration via USB-C interface via the web server (without 24 V DC). Current measuring ranges: 0 A ... 125 A. Modbus/TCP interface configuration (RJ45), Standard configuration, Push-in connection

Commercial data

Item number	1191984
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C444
Product key	CMMA34
GTIN	4063151243531
Weight per piece (including packing)	143 g
Weight per piece (excluding packing)	143 g
Customs tariff number	85437090
Country of origin	DE



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Technical data

Product properties

Product type	Current measuring transducer
Insulation characteristics	
Insulation	Safe isolation in accordance with IEC/EN 61010-1
Overvoltage category	III (300 V)
Pollution degree	2

Electrical properties

Step response (10-90%)	200 ms (AC/DC)
	20 ms (DC)
Maximum temperature coefficient	< 0.03 %/K
Maximum transmission error	0.5 % (of nominal range value under nominal conditions)
Rated insulation voltage	300 V AC (to earth)

Electrical isolation IEC 61010-2-030

Standards/regulations	IEC 61010-2-030
Measuring category	III (300 V)

Electrical isolation Input/output

Test voltage	4 kV AC (50 Hz, 60 s)
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Electrical isolation Input/power supply

Test voltage 4	kV AC (50 Hz, 60 s)
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Electrical isolation Output/supply

Test voltage	2 kV AC (50 Hz, 60 s)
. cot rollage	= 1.1 / 1.5 (00 1 i=, 00 0)

Supply

Nominal supply voltage	24 V DC
Nominal supply voltage range	12 V DC 24 V DC -20 % +25 %
Supply voltage range	9.6 V DC 30 V DC
Power consumption	≤ 2 W (30 V DC)

Input data

Measurement

Wedsdrenen	
Input current range	0 A AC 100 A AC
	-100 A DC 100 A DC
Measuring range	0 A AC/DC 50 A AC/DC
Setting range for min. input current	0 A AC/DC 9.4 A AC/DC
	0 A AC/DC 18.8 A AC/DC
Setting range for max. input current	0 A AC/DC 62.5 A AC/DC (DIN/EN 61010-1)
	0 A AC/DC 125 A AC/DC (DIN/EN 61010-1)
	-125 A DC 125 A DC (DIN/EN 61010-1)



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Overload capacity	$2 \times I_N$ (continuous), depending on the fed-through conductor
Surge strength	$20 \times I_N$ (1 s), depending on the fed-through conductor
Frequency measuring range	0 Hz
	10 Hz 100 Hz
	10 Hz 200 Hz
	10 Hz 500 Hz
	10 Hz 1000 Hz
Curve type	AC, DC or distorted currents

Connection data

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross-section rigid	0.2 mm² 2.5 mm²
Conductor cross-section flexible	0.2 mm² 2.5 mm²
Conductor cross-section AWG	24 13
Circular conductor	
Conductor cross-section rigid	25 mm²

Interfaces

Conductor cross-section AWG

WBM

Designation	WBM: Default address, USB-C interface
IP address	192.168.128.1
Modbus TCP	
Designation	Modbus/TCP interface configuration
Note	Register contents, see register table
Connection method	RJ45

192.168.1.2

255.255.255.0 (Subnet)

Dimensions

Item dimensions

IP address

Width	22.6 mm
Height	106.7 mm
Depth	113.8 mm
Depth (Device depth (DIN rail mounting))	114.5 mm (Snapped onto DIN rail NS 35/7,5 in accordance with EN 60715)

Circular conductor

Diameter	11 mm
Diametei	1 1 111111

Material specifications

Color	gray (RAL 7042)
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Flammability rating according to UL 94	V0 (Housing)
Housing material	PA 6.6-FR
Environmental and real-life conditions	
Ambient conditions	
Degree of protection	IP20
Ambient temperature (operation)	-40 °C 60 °C
	-40 °F 140 °F
Ambient temperature (storage/transport)	-40 °C 85 °C
Altitude	≤ 4000 m
Permissible humidity (operation)	≤ 95 % (non-condensing)
Approvals	
Certificate	CE-compliant
UKCA	
Certificate	UKCA-compliant
UL, USA/Canada	
Identification	Ind. Cont. Eq. E238705-E196811
EMC data	
Electromagnetic compatibility	Conformance with EMC directive
Low Voltage Directive	Conformance with Low Voltage Directive
Noise immunity	EN 61000-6-2
Noise emission	
Standards/regulations	EN 61000-6-4
Standards and regulations	
Standards/regulations	IEC 61010-1
Mounting	
Mounting position	vertical or horizontal



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Approvals

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cULus Listed

Approval ID: E238705



cULus ListedApproval ID: E196811



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Classifications

ECLASS

	ECLASS-13.0	27210123	
	ECLASS-15.0	27210123	
ETIM			
	ETIM 9.0	EC002475	



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)



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Accessories

SZS 0,6X3,5 - Screwdriver

1205053

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Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: $0.6 \times 3.5 \times 100$ mm, 2-component grip, with non-slip grip

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