

Product data sheet

Specifications



iEM3250 energy meter - CT - Modbus

A9MEM3250

Main

Range	Acti 9
Range of product	Acti 9 iEM3000
Device short name	iEM3250
Product or component type	Energy meter

Complementary

Poles description	3P 3P + N 1P + N
Type of measurement	Active energy Current Voltage Active power
Device application	Sub billing Partial meter
Accuracy class	Class 0.5S active energy conforming to IEC 62053-22 Class 0.5S active energy conforming to IEC 61557-12 Class C active energy conforming to EN 50470-3
Input type	External CT 1 A or 5 A
[In] rated current	5 A 1 A
Rated voltage	100...277 V 173...480 V
Network frequency	50 Hz 60 Hz
Technology type	Electronic
Display type	LCD display
Sampling rate	32 samples/cycle
Measurement current	1...32767000 mA
Maximum value measured	99999999 MWh
Communication port protocol	Modbus RTU at 9.6, 19.2 and 38.4 kbauds even/odd or none, insulation 4000 V
Communication port support	Screw terminal block: RS485
Local signalling	Green indicator light: power ON Yellow flashing LED: accuracy checking Yellow indicator light: communications are active on the Modbus port (Modbus)
Number of inputs	0

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Number of outputs	0
Mounting mode	Clip-on
Mounting support	DIN rail
Connections - terminals	Current circuit: screw terminals 6 mm ² cable(s) Voltage circuit: screw terminals 2.5 mm ² cable(s)
Overtoltage category	III
Standards	IEC 61557-12 IEC 62053-22 IEC 61036 IEC 62053-23 UL 61010-1 IEC 61010
Product certifications	CE conforming to IEC 61010 (safety) CE conforming to EN 61557-12 (power monitor) CE conforming to IEC 61326-1 (EMC) CULus conforming to UL 61010 (safety) CULus conforming to ANSI C12.20 (sub-meter) EAC (sub-meter) RCM conforming to NMI M 6-1 (sub-meter) UL

Environment

IP degree of protection	IP40 front panel: conforming to IEC 60529 IP20 body: conforming to IEC 60529
Pollution degree	2
Relative humidity	5...95 % at 50 °C
Ambient air temperature for operation	-25...55 °C - IEC
Ambient air temperature for storage	-40...85 °C
Operating altitude	< 2000 m
Colour	White
9 mm pitches	10
Width	90 mm
Height	95 mm
Depth	69 mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	343.0 g
Package 1 Height	8 cm
Package 1 width	9.5 cm
Package 1 Length	10.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	30
Package 2 Weight	10.766 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Unit Type of Package 3	P12
Number of Units in Package 3	720

Package 3 Weight	267.384 kg
Package 3 Height	80 cm
Package 3 width	120 cm
Package 3 Length	110 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months
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