

Product datasheet

Specifications



modular single phase power meter iEM2000T - 230V - 40A without display

Local distributor code:
399395167

A9MEM2000T

EAN Code: 3606480400575

Main

Range	Acti9
Family	Acti9 iEM2000
Device Short Name	iEM2000T
Product Or Component Type	Energy meter

Complementary

Poles Description	1P + N
Type Of Measurement	Active power
Device Application	Sub billing
Accuracy Class	Class 1 active energy conforming to IEC 62053-21
Input Type	Direct input
Maximum Current [Imax]	40 A
[Ib] Basic Current	5 A
Rated Current	40 A
Rated Voltage	230 V +/- 20 %
Network Frequency	60 Hz 50 Hz
Frequency Measurement Range	48...62 Hz
Technology Type	Electronic
Display Type	Without display
Sampling Rate	32 samples/cycle
Measurement Current	0.25...40 A
Display Digits	0
Communication Port Protocol	-
Communication Port Support	-
Local Signalling	Green indicator light: power ON Yellow indicator light: metering and activity 3200 p/kWh
Digital Inputs	0
Digital Outputs	1 pulse energy monitoring:
Output Voltage	5...35 V DC@20 mA
Impulse Duration	120 ms
Maximum Power Consumption In Va	10 VA at 240 V AC

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

Mounting Mode	Clip-on
Mounting Support	DIN rail
Connections - Terminals	Power circuit: tunnel type terminals (bottom) 1 10 mm² cable(s) Remote transfer: tunnel type terminals (top) 1 4 mm² cable(s)
Tightening Torque	Power circuit: 1.2 N.m Remote transfer: 0.8 N.m
Standards	IEC 61557-12 IEC 62053-21
Product Certifications	CE

Environment

Ip Degree Of Protection	IP40 front panel: conforming to IEC 60529 IP20 casing:
Ambient Air Temperature For Operation	-25...65 °C -20...55 °C
Ambient Air Temperature For Storage	-40...70 °C
Operating Altitude	< 2000 m
Relative Humidity	0...95 % at 55 °C
Colour	White
9 Mm Pitches	2
Width	18 mm
Height	96.5 mm
Depth	69 mm
Net Weight	0.073 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.5 cm
Package 1 Width	8.0 cm
Package 1 Length	10.0 cm
Package 1 Weight	112.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	38
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.982 kg

Contractual warranty

Warranty	18 months
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Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency RoHS/REACH

Well-being performance

✓

Mercury Free

✓

Rohs Exemption Information

Yes

Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

China Rohs Regulation

[China RoHS declaration](#)

Environmental Disclosure

[Product Environmental Profile](#)

Circularity Profile

[End of Life Information](#)