Product datasheet

Specifications

Green Premium™

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

A9MEM2000T

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

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

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

Learn more about Green Premium >

Guide to assess a product's sustainability >

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