

Product datasheet

Specifications



modular single phase power meter iEM2105 - 230V - 63A with pulse

A9MEM2105

Main

Range	Acti9
Family	Acti9 iEM2100
Device Short Name	iEM2105
Product Or Component Type	Energy meter

Complementary

Poles Description	1P + N
Type Of Measurement	Active energy
Device Application	Sub billing Partial meter
Accuracy Class	Class 1 active energy conforming to IEC 62053-21
Input Type	Direct input
Maximum Current [Imax]	63 A
[Ib] Basic Current	10 A
Rated Current	63 A
Rated Voltage	230 V +/- 20 %
Network Frequency	50 Hz 60 Hz
Frequency Measurement Range	45...65 Hz
Technology Type	Electronic
Display Type	LCD display
Sampling Rate	32 samples/cycle
Measurement Current	0.5...63 A
Display Digits	5
Maximum Value Measured	999.99 MWh
Tariff Counter	Tariff (1)
Communication Port Protocol	-
Communication Port Support	-
Local Signalling	Green indicator light: power ON Yellow indicator light: metering and activity 1000 p/kWh
Digital Inputs	0
Digital Outputs	1 pulse energy monitoring:

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

Output Voltage	24 V DC@18 mA 230 V AC@100 mA
Impulse Duration	200 ms
Maximum Power Consumption In Va	2.5 VA at 240 V AC
Mounting Mode	Clip-on
Mounting Support	DIN rail
Connections - Terminals	Power circuit: tunnel type terminals (bottom) 1 16 mm² cable(s)
Tightening Torque	Power circuit: 1.5 N.m Remote transfer: 0.9 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:
Ik Degree Of Protection	IK05
Ambient Air Temperature For Operation	-25...55 °C -20...55 °C
Ambient Air Temperature For Storage	-25...70 °C
Operating Altitude	< 3000 m
Relative Humidity	0...95 % at 55 °C
Colour	White
9 Mm Pitches	4
Width	36 mm
Height	81 mm
Depth	65 mm
Net Weight	0.135 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.8 cm
Package 1 Width	9.5 cm
Package 1 Length	4.5 cm
Package 1 Weight	186.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	60
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	11.402 kg

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-CO₂ 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 >](#)

Well-being performance

	Mercury Free	
	Rohs Exemption Information	Yes
Eu Rohs Directive	Compliant	EU RoHS Declaration
China Rohs Regulation		China RoHS declaration