

Product data sheet

Characteristics

A9MEM2105

Acti9, Modular single phase power meter
iEM2105 - 230V - 63A with pulse



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:
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 mm ² cable(s)

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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

Offer Sustainability

REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes