

Product data sheet

Characteristics

A9MEM2105

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



Main

Range	Acti 9
Family	Acti 9 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
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...63 A
Display digits	5
Maximum value measured	999.99 MWh
Tariff input	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
Output voltage	24 V DC@18 mA 230 V AC@100 mA
Impulse duration	200 ms
Maximum power consumption in VA	2.5 VA
Mounting mode	Clip-on
Mounting support	DIN rail
Connections - terminals	Power circuit: tunnel type terminals (bottom) 1 16 mm ² 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	IP50 conforming to IEC 60529
IK degree of protection	IK05
Ambient air temperature for operation	-20...70 °C -20...55 °C
Ambient air temperature for storage	-40...70 °C
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 Weight	186 g
Package 1 Height	7.8 cm
Package 1 width	9.5 cm
Package 1 Length	4.5 cm

Offer Sustainability

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