

Product datasheet

Specifications



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

A9MEM2105

Price: 2,740.91 ZAR

Main

Range	Acti9
family	Acti9 iEM2100
Product or component type	Energy meter
Device short name	iEM2105

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
Analogue input type	Direct input
Maximum current [I _{max}]	63 A
[I _b] 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
Information displayed	Tariff (1)
Communication port protocol	-
Communication port support	-
Local signalling	Green indicator light: power ON Yellow indicator light: metering and activity 1000 p/kWh
Number of inputs	0
Number of outputs	1 pulse energy monitoring:

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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)
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
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	7.800 cm
Package 1 Width	9.500 cm
Package 1 Length	4.500 cm
Package 1 Weight	191.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	60
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	12.016 kg

Contractual warranty



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

No

[EU RoHS Directive](#)

Compliant

SCIP Number

Bbf00c42-0e4a-477a-a264-49e05535afce

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

Take-back

No

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins