

Product datasheet

Specifications



modular single phase power meter iEM2010 - 230V - 40A with pulse

Local distributor code:

399395170

A9MEM2010

EAN Code: 3606480217418

Main

Range	Acti9
family	Acti9 iEM2000
Product or component type	Energy meter
Device short name	iEM2010

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 Class B active energy conforming to EN 50470-3
Analogue 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	50 Hz 60 Hz
Frequency measurement range	48...62 Hz
Technology type	Electronic
Display type	Electromechanical
Sampling rate	32 samples/cycle
Measurement current	0.25...40 A
Display digits	7
Maximum value measured	999999.9 kWh
Communication port protocol	-
Communication port support	-
Local signalling	Green indicator light: power ON Yellow indicator light: metering and activity 3200 p/kWh
Number of inputs	0
Number of outputs	1 pulse energy monitoring:
Output voltage	5...35 V DC@20 mA
Impulse duration	120 ms

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

Maximum power consumption in VA	10 VA at 240 V AC
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 62053-21 IEC 61557-12 EN 50470-3
Product certifications	CE EAC EAC (metrology) MID-B MID-D

Environment

IP degree of protection	IP40 front panel: conforming to IEC 60529 IP20 casing:
Ambient air temperature for operation	-10...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
Product weight	0.073 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.500 cm
Package 1 Width	7.700 cm
Package 1 Length	10.000 cm
Package 1 Weight	126.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	38
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.015 kg

Logistical informations

Country of origin	CN
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Contractual warranty

Warranty (in months)	18
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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 >](#)



Environmental footprint

Total lifecycle Carbon footprint	27 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	25 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
SCIP Number	1370256b-4f45-45cb-ba74-d245fc174cf9
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	34
End of life manual availability	End of Life Information
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