Product data sheet
Characteristics

A9MEM2000
modular single phase power meter iEM2000 - 230V - 40A



Main

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

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
Max current	40 A
[Ib] basic current	5 A
[In] 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
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)
Tightening torque	Power circuit: 1.2 N.m

Standards	IEC 62053-21 IEC 61557-12 EN 50470-3
Product certifications	CE[RETURN]MID-D[RETURN]EAC[RETURN]EAC (metrology)[RETURN]MID-B

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
Net weight	0.073 Kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.200 Cm
Package 1 Width	7.200 Cm
Package 1 Length	10.000 Cm
Package 1 Weight	120.000 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	4.860 Kg

Offer Sustainability

Recyclability potential, in %	34
Total lifecycle Carbon footprint	27 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.607201236734032
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2322118496012109
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0021674619313875
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	25.12692169457233
Carbon footprint of the use phase [B2, B3, B4, B6]	25 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.1950628686312456
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	27
Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
SCIP Number	1370256b-4f45-45cb-ba74-d245fc174cf9
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
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 a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised