



Main

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

Complementary

Poles description	1P + N
Type of measurement	Active energy
Device application	Sub billing
Accuracy class	Class 1 active energy conforming to IEC 62053-21
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	60 Hz 50 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
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
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	172 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	11.399 kg
Unit Type of Package 3	P06
Number of Units in Package 3	480
Package 3 Height	105 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	82.6 kg

Offer Sustainability

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