

# Product datasheet

Specifications



## modular single phase power meter iEM2100 - 230V - 63A

TSI code: 402718055 A9MEM2100

### Main

Range	Acti 9
Family	Acti 9 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
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...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	0
Maximum power consumption in VA	2.5 VA

<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	DIN rail
<b>Connections - terminals</b>	Power circuit: tunnel type terminals (bottom) 1 16 mm <sup>2</sup> cable(s)
<b>Tightening torque</b>	Power circuit: 1.5 N.m
<b>Standards</b>	IEC 61557-12 IEC 62053-21
<b>Product certifications</b>	CE

## Environment

<b>IP degree of protection</b>	IP50 conforming to IEC 60529
<b>IK degree of protection</b>	IK05
<b>Ambient air temperature for operation</b>	-20...70 °C -20...55 °C
<b>Ambient air temperature for storage</b>	-40...70 °C
<b>Relative humidity</b>	0...95 % at 55 °C
<b>Colour</b>	White
<b>9 mm pitches</b>	4
<b>Width</b>	36 mm
<b>Height</b>	81 mm
<b>Depth</b>	65 mm
<b>Net weight</b>	0.135 kg

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	172 g
<b>Package 1 Height</b>	7.8 cm
<b>Package 1 width</b>	9.5 cm
<b>Package 1 Length</b>	4.5 cm
<b>Unit Type of Package 2</b>	P06
<b>Number of Units in Package 2</b>	480
<b>Package 2 Weight</b>	82.6 kg
<b>Package 2 Height</b>	105 cm
<b>Package 2 width</b>	60 cm
<b>Package 2 Length</b>	80 cm
<b>Unit Type of Package 3</b>	S03
<b>Number of Units in Package 3</b>	60
<b>Package 3 Weight</b>	11.399 kg
<b>Package 3 Height</b>	30 cm
<b>Package 3 width</b>	30 cm
<b>Package 3 Length</b>	40 cm

## Offer Sustainability

REACH Regulation [REACH Declaration](#)

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<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>

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**Contractual warranty**

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<b>Warranty</b>	18 months
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