

# Product data sheet

Specifications



## iEM3355 energy meter - 125 A - Modbus - 1 digital I - 1 digital O - multi-tariff - MID

A9MEM3355

### Main

Range	Acti 9
Range of product	Acti 9 iEM3000
Device short name	iEM3355
Product or component type	Energy meter

### Complementary

Poles description	3P + N 1P + N 3P
Type of measurement	Active and reactive energy Active and reactive power Current Voltage
Metering type	Active, reactive, apparent energy (signed, four quadrant)
Device application	Multi-tariff Sub billing Partial meter
Accuracy class	Class 1 active energy conforming to IEC 62053-21 Class 1 active energy conforming to IEC 61557-12 Class B active energy conforming to EN 50470-3
Input type	Direct input
[In] rated current	125 A
Rated voltage	100...277 V 173...480 V
Network frequency	50 Hz 60 Hz
Technology type	Electronic
Display type	LCD display
Sampling rate	32 samples/cycle
Measurement current	0...125 A
Maximum value measured	99999999.9 kWh
Tariff input	Tariff (4)
Communication port protocol	Modbus RTU at 9.6, 19.2 and 38.4 kbauds even/odd or none, insulation 4000 V
Communication port support	Screw terminal block: RS485
Local signalling	Green indicator light: power ON Yellow flashing LED: accuracy checking alarm: overload

Yellow indicator light: communications are active on the Modbus port (Modbus)

<b>Number of inputs</b>	1 digital 0...5 V/11...40 V 24 V DC
<b>Number of outputs</b>	1 digital (static)
<b>Output voltage</b>	5...40 V DC@50 mA
<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	DIN rail
<b>Connections - terminals</b>	Screw terminals 50 mm <sup>2</sup> cable(s)
<b>Overtoltage category</b>	III
<b>Standards</b>	IEC 61010 IEC 61036 IEC 61557-12 IEC 62053-23 UL 61010-1 IEC 62053-21
<b>Product certifications</b>	CE conforming to IEC 61010 (safety) CE conforming to EN 61557-12 (power monitor) CE conforming to IEC 61326-1 (EMC) CULus conforming to UL 61010 (safety) CULus conforming to ANSI C12.20 (sub-meter) EAC (sub-meter) RCM conforming to NMI M 6-1 (sub-meter) UL MID conforming to EN 50470-3 (sub-meter) MID conforming to EN 62052 (sub-meter)

## Environment

<b>IP degree of protection</b>	IP40 front panel: conforming to IEC 60529 IP20 body: conforming to IEC 60529
<b>Pollution degree</b>	2
<b>Relative humidity</b>	5...95 % at 50 °C
<b>Ambient air temperature for operation</b>	-25...55 °C - MID -25...60 °C - NMI -25...60 °C - IEC
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Operating altitude</b>	< 2000 m
<b>Colour</b>	White
<b>9 mm pitches</b>	14
<b>Width</b>	126 mm
<b>Height</b>	103.2 mm
<b>Depth</b>	69.3 mm

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	680 g
<b>Package 1 Height</b>	8.5 cm
<b>Package 1 width</b>	11 cm
<b>Package 1 Length</b>	13 cm
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	16
<b>Package 2 Weight</b>	11564 g
<b>Package 2 Height</b>	30 cm

Package 2 width	30 cm
Package 2 Length	40 cm
Unit Type of Package 3	P12
Number of Units in Package 3	384
Package 3 Weight	286536 g
Package 3 Height	80 cm
Package 3 width	120 cm
Package 3 Length	110 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
California proposition 65	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>