

# Product datasheet

Specifications



## IEM3155 energy meter, Acti9, 63 A - Modbus - 1 digital I - 1 digital O - multi-tariff - MID

A9MEM3155

### Main

Range	Acti9
range of product	Acti9 iEM3000
Device short name	iEM3155
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	63 A
Rated voltage	100...277 V 173...480 V
Network frequency	60 Hz 50 Hz
Technology type	Electronic
Display type	LCD display
Sampling rate	32 samples/cycle
Measurement current	0...63 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 16 mm <sup>2</sup> cable(s)
<b>Overvoltage category</b>	III
<b>Standards</b>	BS EN 61557-12:2021 IEC 61557-12:2021 EN 61557-12:2021 BS EN 61326-1 IEC 61326-1 EN 61326-1 BS EN 62052-11:2020 IEC 62052-11:2020 EN 62052-11:2020 BS EN 62053-21 IEC 62053-21 EN 62053-21 BS EN 62052-23 IEC 62053-23:2020 EN 62052-23 BS EN 62052-31:2015 IEC 62052-31:2015 EN 62052-31:2015 BS EN 61010-1:2010 EN 61010-1:2010 IEC 61010-1:2010 UL 61010-1:2010 BS EN 61010-2-30 IEC 61010-2-30 EN 61010-2-30 UL 61010-2-30 BS EN 50470-3 EN 50470-3 BS EN 50470-1 EN 50470-1 ANSI C12.16

<b>Product certifications</b>	CE conforming to IEC 61010-1 (safety) CE conforming to EN 61557-12 (power monitor) CE conforming to EN/IEC 61326-1 (EMC) UKCA conforming to BS EN 61010-1 (safety) UKCA conforming to BS EN 61557-12 (power monitor) UKCA conforming to BS EN 61326-1 (EMC) CULus conforming to UL 61010-1 (safety) CULus conforming to EN 61010-1 (safety) EAC conforming to EN 50470-3 (sub-meter) RCM conforming to EN 62052 (sub-meter) KZ conforming to EN 50470-3 (sub-meter) METAS conforming to EN 50470-1 (sub-meter) MID conforming to EN 50470-3 (sub-meter) MID conforming to EN 50470-1 (sub-meter) NMI conforming to NMI M 6-1
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## 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...70 °C - IEC -25...60 °C - IEC
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Operating altitude</b>	< 2000 m

colour	White
9 mm pitches	10
Width	90 mm
Height	95 mm
Depth	69 mm

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.500 cm
Package 1 Width	9.500 cm
Package 1 Length	10.500 cm
Package 1 Weight	460.400 g
Unit Type of Package 2	S03
Number of Units in Package 2	30
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	14.527 kg

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[How we assess product sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Mercury Free

Rohs Exemption Information [Yes](#)

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)

Technical Illustration

User interface / product ON

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