

Product datasheet

Specifications



iEM3155 energy meter - 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)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Number Of Inputs	1 digital 0...5 V/11...40 V 24 V DC
Number Of Outputs	1 digital (static)
Output Voltage	5...40 V DC@50 mA
Mounting Mode	Clip-on
Mounting Support	DIN rail
Connections - Terminals	Screw terminals 16 mm ² cable(s)
Overvoltage Category	III
Standards	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

Product Certifications	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
-------------------------------	--

Environment

Ip Degree Of Protection	IP40 front panel: conforming to IEC 60529 IP20 body: conforming to IEC 60529
Pollution Degree	2
Relative Humidity	5...95 % at 50 °C
Ambient Air Temperature For Operation	-25...55 °C - MID -25...70 °C - IEC -25...60 °C - IEC
Ambient Air Temperature For Storage	-40...85 °C
Operating Altitude	< 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 cm
Package 1 Width	9.02 cm
Package 1 Length	10.01 cm
Package 1 Weight	0.46 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	30
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	14.306 kg
Unit Type Of Package 3	P12
Number Of Units In Package 3	720
Package 3 Height	80 cm
Package 3 Width	120 cm
Package 3 Length	110 cm
Package 3 Weight	352.344 kg

Contractual warranty

Warranty	18 months
-----------------	-----------

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-CO₂ 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 >](#)

[Guide to assess a product's 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](#)