

Product data sheet

Specifications



iEM3255 energy meter - CT - Modbus - 1 digital I - 1 digital O - multi-tariff - MID

A9MEM3255

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 695.10 USD

Main

Range	Acti9
Range Of Product	Acti9 iEM3000
Device Short Name	iEM3255
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 Partial meter Sub billing
Accuracy Class	Class 0.5S active energy IEC 62053-22 Class 0.5S active energy IEC 61557-12 Class C active energy EN 50470-3
Input Type	External CT 1 A or 5 A
Line Rated Current	5 A 1 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	1...32767000 mA
Maximum Value Measured	99999999 MWh
Tariff Input	Tariff 4)
Communication Port Protocol	Modbus RTU 9.6, 19.2 and 38.4 kbauds even/odd or none 4000 V
Communication Port Support	Screw terminal block RS485

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

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)
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	Current circuit screw terminals 0.01 in² (6 mm²) Voltage circuit screw terminals 0.00 in² (2.5 mm²)
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 62052-22 IEC 62053-22:2020 EN 62052-22 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 C12.20

Product Certifications	CE IEC 61010-1 safety) CE EN 61557-12 power monitor) CE EN/IEC 61326-1 EMC) UKCA BS EN 61010-1 safety) UKCA BS EN 61557-12 power monitor) UKCA BS EN 61326-1 EMC) CULus UL 61010-1 safety) CULus EN 61010-1 safety) EAC EN 50470-3 sub-meter) RCM EN 62052 sub-meter) KZ EN 50470-3 sub-meter) METAS EN 50470-1 sub-meter) MID EN 50470-3 sub-meter) MID EN 50470-1 sub-meter) NMI NMI M 6-1
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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 % 122 °F (50 °C)
Ambient Air Temperature For Operation	-13...158 °F (-25...70 °C) - IEC
Ambient Air Temperature For Storage	-40...185 °F (-40...85 °C)
Operating Altitude	< 6561.68 ft (2000 m)
Color	White
9 Mm Pitches	10
Width	3.54 in (90 mm)
Height	3.74 in (95 mm)
Depth	2.72 in (69 mm)

Ordering and shipping details

Category	US10PL109786
Discount Schedule	0PL1
Gtin	3606480481574
Returnability	Yes
Country Of Origin	CN

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.15 in (8.0 cm)
Package 1 Width	3.74 in (9.5 cm)
Package 1 Length	4.13 in (10.5 cm)
Package 1 Weight	12.87 oz (365.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	30
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	25.19 lb(US) (11.426 kg)
Unit Type Of Package 3	P12
Number Of Units In Package 3	720
Package 3 Height	31.50 in (80.0 cm)
Package 3 Width	47.24 in (120.0 cm)
Package 3 Length	43.31 in (110.0 cm)
Package 3 Weight	624.40 lb(US) (283.224 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-CO₂ products.

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

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[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
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov