

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

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|---------------------------|---------------|
| Range | Acti9 |
| Range Of Product | Acti9 iEM3000 |
| Device Short Name | iEM3255 |
| Product Or Component Type | Energy meter |

Complementary

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|-----------------------------|--|
| 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.

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| 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 in ² (6 mm ²) Voltage circuit screw terminals 0.00 in ² (2.5 mm ²) |
| Overvoltage Category | III |

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| 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 |
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| 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

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|--------------------------------|---|
| IP Degree Of Protection | IP40 front panel: conforming to IEC 60529 IP20 body: conforming to IEC 60529 |
| Pollution Degree | 2 |

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|---------------------------------------|----------------------------------|
| 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

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

Packing Units

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|------------------------------|----------------------------|
| 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

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| 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.

[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](#)

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