

# Product data sheet

Specifications



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

A9MEM3355

⚠ To be discontinued on: Aug 1, 2026

⚠ To be discontinued

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

### Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                     | Acti9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| range of product          | Acti9 iEM3000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Product or Component Type | Energy meter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Device short name         | iEM3355                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Market segment            | Buildings small building cost management: billing: main incomer<br>Buildings small building cost management: billing: sub feeder<br>Buildings small building cost management: billing: panelboard<br>Buildings medium building cost management: billing: main incomer<br>Buildings medium building cost management: billing: sub feeder<br>Buildings medium building cost management: billing: panelboard<br>Buildings large building cost management: billing: main incomer<br>Buildings large building cost management: billing: sub feeder<br>Buildings large building cost management: billing: panelboard<br>Buildings multi-site cost management: billing: main incomer<br>Buildings multi-site cost management: billing: sub feeder<br>Buildings multi-site cost management: billing: panelboard<br>Data center cost management: billing<br>Healthcare cost management: billing<br>Industry cost management: billing<br>Buildings small building cost management: cost allocation: main incomer<br>Buildings small building cost management: cost allocation: sub feeder<br>Buildings small building cost management: cost allocation: panelboard<br>Buildings medium building cost management: cost allocation: main incomer<br>Buildings medium building cost management: cost allocation: sub feeder<br>Buildings medium building cost management: cost allocation: panelboard<br>Buildings large building cost management: cost allocation: main incomer<br>Buildings large building cost management: cost allocation: sub feeder<br>Buildings large building cost management: cost allocation: panelboard<br>Buildings multi-site cost management: cost allocation: main incomer<br>Buildings multi-site cost management: cost allocation: sub feeder<br>Buildings multi-site cost management: cost allocation: panelboard<br>Data center cost management: cost allocation<br>Healthcare cost management: cost allocation<br>Industry cost management: cost allocation |

### Complementary

|                     |                                                                               |
|---------------------|-------------------------------------------------------------------------------|
| Poles description   | 3P + N<br>1P + N<br>3P                                                        |
| Type of measurement | Active and reactive energy<br>Active and reactive power<br>Current<br>Voltage |
| Metering type       | Active, reactive, apparent energy (signed, four quadrant)                     |
| Device Application  | Multi-tariff<br>Sub billing<br>Partial meter                                  |

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

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accuracy class              | Class 1 active energy IEC 62053-21<br>Class 1 active energy IEC 61557-12<br>Class B active energy EN 50470-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| input type                  | Direct connection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Line Rated Current          | 125 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rated voltage               | 100...277 V<br>173...480 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Network Frequency           | 50 Hz<br>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 9.6, 19.2 and 38.4 kbauds even/odd or none 4000 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Communication port support  | Screw terminal block RS485                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Local signalling            | Green indicator light power ON<br>Yellow flashing LED accuracy checking<br>alarm overload<br>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     | screw terminals 0.08 in² (50 mm²)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Overvoltage category        | III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Standards                   | BS EN 61557-12:2021<br>IEC 61557-12:2021<br>EN 61557-12:2021<br>BS EN 61326-1<br>IEC 61326-1<br>EN 61326-1<br>BS EN 62052-11:2020<br>IEC 62052-11:2020<br>EN 62052-11:2020<br>BS EN 62053-21<br>IEC 62053-21<br>EN 62053-21<br>BS EN 62052-23<br>IEC 62053-23:2020<br>EN 62052-23<br>BS EN 62052-31:2015<br>IEC 62052-31:2015<br>EN 62052-31:2015<br>BS EN 61010-1:2010<br>EN 61010-1:2010<br>IEC 61010-1:2010<br>UL 61010-1:2010<br>BS EN 61010-2-30<br>IEC 61010-2-30<br>EN 61010-2-30<br>UL 61010-2-30<br>BS EN 50470-3<br>EN 50470-3<br>BS EN 50470-1<br>EN 50470-1<br>ANSI C12.16 |

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product certifications | CE IEC 61010-1 safety)<br>CE EN 61557-12 power monitor)<br>CE EN/IEC 61326-1 EMC)<br>UKCA BS EN 61010-1 safety)<br>UKCA BS EN 61557-12 power monitor)<br>UKCA BS EN 61326-1 EMC)<br>CULus UL 61010-1 safety)<br>CULus EN 61010-1 safety)<br>EAC EN 50470-3 sub-meter)<br>RCM EN 62052 sub-meter)<br>KZ EN 50470-3 sub-meter)<br>METAS EN 50470-1 sub-meter)<br>MID EN 50470-3 sub-meter)<br>MID EN 50470-1 sub-meter)<br>NMI NMI M 6-1 |
| Compatibility code     | IEM3355                                                                                                                                                                                                                                                                                                                                                                                                                                |

## Environment

|                                       |                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------|
| IP degree of protection               | IP40 front panel: conforming to IEC 60529<br>IP20 body: conforming to IEC 60529                          |
| Pollution degree                      | 2                                                                                                        |
| Relative humidity                     | 5...95 % 122 °F (50 °C)                                                                                  |
| Ambient air temperature for operation | -13...131 °F (-25...55 °C) - MID<br>-13...158 °F (-25...70 °C) - IEC<br>-13...140 °F (-25...60 °C) - IEC |
| Ambient Air Temperature for Storage   | -40...185 °F (-40...85 °C)                                                                               |
| Operating altitude                    | < 9842.52 ft (3000 m)                                                                                    |
| Color                                 | White                                                                                                    |
| 9 mm pitches                          | 14                                                                                                       |
| Width                                 | 5.0 in (126 mm)                                                                                          |
| Height                                | 4.06 in (103.2 mm)                                                                                       |
| Depth                                 | 2.7 in (69.3 mm)                                                                                         |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10PL109786  |
| Discount Schedule | 0PL1          |
| GTIN              | 3606480696428 |
| Returnability     | No            |
| Country of origin | CN            |

## Packing Units

|                              |                       |
|------------------------------|-----------------------|
| Unit Type of Package 1       | PCE                   |
| Nbr. of units in pkg.        | 1                     |
| Package 1 Height             | 3.346 in (8.500 cm)   |
| Package 1 Width              | 4.449 in (11.300 cm)  |
| Package 1 Length             | 5.157 in (13.100 cm)  |
| Package weight(Lbs)          | 24.621 oz (698.000 g) |
| Unit Type of Package 2       | S03                   |
| Number of Units in Package 2 | 16                    |
| Package 2 Height             | 11.811 in (30.000 cm) |

|                              |                             |
|------------------------------|-----------------------------|
| Package 2 Width              | 11.811 in (30.000 cm)       |
| Package 2 Length             | 15.748 in (40.000 cm)       |
| Package 2 Weight             | 25.494 lb(US) (11.564 kg)   |
| Unit Type of Package 3       | P12                         |
| Number of Units in Package 3 | 384                         |
| Package 3 Height             | 43.307 in (110.000 cm)      |
| Package 3 Width              | 31.496 in (80.000 cm)       |
| Package 3 Length             | 47.244 in (120.000 cm)      |
| Package 3 Weight             | 631.704 lb(US) (286.536 kg) |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 66 kg CO2 eq.                                 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 12 kg CO2 eq.                                 |
| Carbon footprint of the distribution phase [A4]        | 0.1 kg CO2 eq.                                |
| Carbon footprint of the installation phase [A5]        | 0.1 kg CO2 eq.                                |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 52 kg CO2 eq.                                 |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.8 kg CO2 eq.                                |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | No                                                                                     |
| Packaging without single use plastic   | No                                                                                     |
| SCIP Number                            | 1370256b-4f45-45cb-ba74-d245fc174cf9                                                   |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |
| California proposition 65              | WARNING: Cancer and Reproductive Harm - <a href="#">www.P65Warnings.ca.gov</a>         |
| Halogen content performance            | Halogen free plastic parts product                                                     |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



### Repack and remanufacture

|                               |                                                                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in % | 32                                                                                                                                                                                                               |
| Circularity Profile           | <a href="#">End of Life Information</a>                                                                                                                                                                          |
| Take-back                     | No                                                                                                                                                                                                               |
| WEEE Label                    |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |