**Product data sheet**

**Characteristics**

<table>
<thead>
<tr>
<th>A9MEM3155</th>
</tr>
</thead>
<tbody>
<tr>
<td>iEM3155 energy meter - 63 A - Modbus - 1 digital</td>
</tr>
<tr>
<td>I - 1 digital O - multi-tariff</td>
</tr>
</tbody>
</table>

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### Main

- **Range**
  - Acti 9

- **Range of product**
  - Acti 9 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

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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.

Apr 4, 2020
<table>
<thead>
<tr>
<th><strong>Tariff input</strong></th>
<th>Tariff (4)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Communication port protocol</strong></td>
<td>Modbus RTU at 9.6, 19.2 and 38.4 kbauds even/odd or none, insulation 4000 V</td>
</tr>
<tr>
<td><strong>Communication port support</strong></td>
<td>Screw terminal block: RS485</td>
</tr>
</tbody>
</table>
| **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** | Screw terminals 16 mm² cable(s) |
| **Overvoltage category** | III |
| **Standards** | IEC 62053-21  
IEC 61036  
IEC 62053-23  
IEC 61557-12  
IEC 61010  
UL 61010-1 |
| **Product certifications** | CE conforming to IEC 61010 (safety)  
CE conforming to EN 61557-12 (power monitor)  
CE conforming to IEC 61326-1 (EMC)  
CULus conforming to UL 61010 (safety)  
CULus conforming to ANSI C12.20 (sub-meter)  
EAC (sub-meter)  
RCM conforming to NMI M 6-1 (sub-meter)  
UL  
MID conforming to EN 50470-3 (sub-meter)  
MID conforming to EN 62052 (sub-meter) |

### 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...60 °C - NMI  
-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 |

### Offer Sustainability

| **Sustainable offer status** | Green Premium product |
| **EU RoHS Directive** | Compliant  
EU RoHS Declaration |
<p>| <strong>Mercury free</strong> | Yes |
| <strong>RoHS exemption information</strong> | Yes |
| <strong>China RoHS Regulation</strong> | China RoHS declaration |
| <strong>Environmental Disclosure</strong> | Product Environmental Profile |
| <strong>Circularity Profile</strong> | End of Life Information |
| <strong>WEEE</strong> | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |</p>
<table>
<thead>
<tr>
<th>Contractual warranty</th>
</tr>
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<tbody>
<tr>
<td>Warranty</td>
</tr>
</tbody>
</table>