



## Main

|                           |                |
|---------------------------|----------------|
| Range                     | Acti 9         |
| Range of product          | Acti 9 iEM3000 |
| Device short name         | IEM3335        |
| Product or component type | Energy meter   |

## Complementary

|                             |                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Poles description           | 3P<br>3P + N<br>1P + N                                                                                                                                 |
| 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          | Sub billing<br>Multi-tariff<br>Partial meter                                                                                                           |
| Accuracy class              | Class 1 active energy conforming to IEC 62053-21<br>Class 1 active energy conforming to IEC 61557-12<br>Class B active energy conforming to EN 50470-3 |
| Input type                  | Direct input                                                                                                                                           |
| [In] rated current          | 125 A                                                                                                                                                  |
| Rated voltage               | 100...277 V<br>173...480 V                                                                                                                             |
| Network frequency           | 60 Hz<br>50 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 | M-bus at 300, 600, 1200, 2400, 4800 and 9600 bauds, insulation 3750 V                                                                                  |
| Communication port support  | Screw terminal block: M-Bus                                                                                                                            |
| Typical current consumption | Communication M-bus: 2.3 mA                                                                                                                            |
| Local signalling            | Green indicator light: power ON<br>Yellow flashing LED: accuracy checking<br>Alarm: overload                                                           |
| 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 50 mm <sup>2</sup> cable(s)                                                                                                            |

|                        |                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Overvoltage category   | III                                                                                                                                                                                                                                                                                                                                                                         |
| Standards              | IEC 61036<br>IEC 62053-21<br>IEC 61557-12<br>IEC 62053-23<br>IEC 61010<br>UL 61010-1                                                                                                                                                                                                                                                                                        |
| Product certifications | CE conforming to IEC 61010 (safety)<br>CE conforming to EN 61557-12 (power monitor)<br>CE conforming to IEC 61326-1 (EMC)<br>CULus conforming to UL 61010 (safety)<br>CULus conforming to ANSI C12.20 (sub-meter)<br>EAC (sub-meter)<br>RCM conforming to NMI M 6-1 (sub-meter)<br>UL<br>MID conforming to EN 50470-3 (sub-meter)<br>MID conforming to EN 62052 (sub-meter) |

## 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 % at 50 °C                                                               |
| Ambient air temperature for operation | -25...55 °C - MID<br>-25...60 °C - IEC                                          |
| Ambient air temperature for storage   | -40...85 °C                                                                     |
| Operating altitude                    | < 2000 m                                                                        |
| Colour                                | White                                                                           |
| 9 mm pitches                          | 14                                                                              |
| Width                                 | 126 mm                                                                          |
| Height                                | 103.2 mm                                                                        |
| Depth                                 | 69.3 mm                                                                         |

## Packing Units

|                  |            |
|------------------|------------|
| Package 1 Weight | 580.000 g  |
| Package 1 Height | 85.000 mm  |
| Package 1 width  | 110.000 mm |
| Package 1 Length | 131.000 mm |

## Offer Sustainability

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                             |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant  <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                                                               |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins       |