

# Product datasheet

Specifications



## iEM3000 energy meter - 63 A

Local distributor code: 397406650    A9MEM3100

### Main

|                           |                |
|---------------------------|----------------|
| Range                     | Acti 9         |
| Range of product          | Acti 9 iEM3000 |
| Device short name         | IEM3100        |
| Product or component type | Energy meter   |

### Complementary

|                             |                                                                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Poles description           | 1P + N<br>3P<br>3P + N                                                                                                                                 |
| Type of measurement         | Active energy                                                                                                                                          |
| Device application          | Partial meter<br>Sub billing                                                                                                                           |
| 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          | 63 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...63 A                                                                                                                                               |
| Maximum value measured      | 99999999.9 kWh                                                                                                                                         |
| Communication port protocol | -                                                                                                                                                      |
| Communication port support  | -                                                                                                                                                      |
| Local signalling            | Green indicator light: power ON<br>Yellow flashing LED: accuracy checking                                                                              |
| Number of inputs            | 0                                                                                                                                                      |
| Number of outputs           | 0                                                                                                                                                      |
| Mounting mode               | Clip-on                                                                                                                                                |
| Mounting support            | DIN rail                                                                                                                                               |

|                         |                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connections - terminals | Screw terminals 16 mm² cable(s)                                                                                                                                                                                                                                                       |
| Overvoltage category    | III                                                                                                                                                                                                                                                                                   |
| Standards               | IEC 61036<br>IEC 61557-12<br>IEC 62053-23<br>IEC 61010<br>UL 61010-1<br>IEC 62053-21                                                                                                                                                                                                  |
| 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 |

## 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...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                                                                           |

## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type of Package 1       | PCE        |
| Number of Units in Package 1 | 1          |
| Package 1 Weight             | 431.0 g    |
| Package 1 Height             | 8.5 cm     |
| Package 1 width              | 9.5 cm     |
| Package 1 Length             | 10.2 cm    |
| Unit Type of Package 2       | P12        |
| Number of Units in Package 2 | 240        |
| Package 2 Weight             | 107.864 kg |
| Package 2 Height             | 15 cm      |
| Package 2 width              | 80 cm      |
| Package 2 Length             | 120 cm     |
| Unit Type of Package 3       | S03        |
| Number of Units in Package 3 | 30         |
| Package 3 Weight             | 13.42 kg   |
| Package 3 Height             | 30 cm      |
| Package 3 width              | 30 cm      |

|                  |       |
|------------------|-------|
| Package 3 Length | 40 cm |
|------------------|-------|

### Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                           |
| EU RoHS Directive          | Compliant<br><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>                                                                               |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                                                     |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

### Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|