

# Product data sheet

Specifications



## iEM3110 energy meter - 63 A - 1 pulse O - MID

A9MEM3110

### Main

|                           |                |
|---------------------------|----------------|
| Range                     | Acti 9         |
| Range of product          | Acti 9 iEM3000 |
| Device short name         | iEM3110        |
| Product or component type | Energy meter   |

### Complementary

|                             |  |
|-----------------------------|--|
| Poles description           | 3P<br>1P + N<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           | 1 pulse  |
| Mounting mode               | Clip-on  |
| Mounting support            | DIN rail   |

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

|                                |   |
|--------------------------------|---|
| <b>Connections - terminals</b> | Screw terminals 16 mm <sup>2</sup> cable(s)   |
| <b>Overtoltage category</b>    | III   |
| <b>Standards</b>               | IEC 62053-21<br>IEC 61036<br>IEC 62053-23<br>UL 61010-1<br>IEC 61557-12<br>IEC 61010  |
| <b>Product certifications</b>  | 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

|  |   |
|--|---|
| <b>IP degree of protection</b>               | IP40 front panel: conforming to IEC 60529<br>IP20 body: conforming to IEC 60529 |
| <b>Pollution degree</b>                      | 2   |
| <b>Relative humidity</b>                     | 5...95 % at 50 °C   |
| <b>Ambient air temperature for operation</b> | -25...55 °C - MID<br>-25...60 °C - NMI<br>-25...60 °C - IEC                     |
| <b>Ambient air temperature for storage</b>   | -40...85 °C   |
| <b>Operating altitude</b>                    | < 2000 m  |
| <b>Colour</b>                                | White   |
| <b>9 mm pitches</b>                          | 10  |
| <b>Width</b>                                 | 90 mm   |
| <b>Height</b>                                | 95 mm   |
| <b>Depth</b>                                 | 69 mm   |

## Packing Units

|                                     |            |
|-------------------------------------|------------|
| <b>Unit Type of Package 1</b>       | PCE        |
| <b>Number of Units in Package 1</b> | 1          |
| <b>Package 1 Weight</b>             | 435.0 g    |
| <b>Package 1 Height</b>             | 8 cm       |
| <b>Package 1 width</b>              | 9.5 cm     |
| <b>Package 1 Length</b>             | 10.5 cm    |
| <b>Unit Type of Package 2</b>       | S03        |
| <b>Number of Units in Package 2</b> | 30         |
| <b>Package 2 Weight</b>             | 13526.0 g  |
| <b>Package 2 Height</b>             | 30 cm      |
| <b>Package 2 width</b>              | 30 cm      |
| <b>Package 2 Length</b>             | 40 cm      |
| <b>Unit Type of Package 3</b>       | P12        |
| <b>Number of Units in Package 3</b> | 720        |
| <b>Package 3 Weight</b>             | 333624.0 g |
| <b>Package 3 Height</b>             | 120 cm     |

|                  |        |
|------------------|--------|
| Package 3 width  | 110 cm |
| Package 3 Length | 80 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 | Yes   |
| 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 |
| California proposition 65  | WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>                  |

## Contractual warranty

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