



## Main

|                           |                |
|---------------------------|----------------|
| Range                     | Acti 9         |
| Range of product          | Acti 9 iEM3000 |
| Device short name         | IEM3235        |
| Product or component type | Energy meter   |

## Complementary

|                             |   |
|-----------------------------|---|
| Poles description           | 1P + N<br>3P<br>3P + N  |
| Type of measurement         | Voltage<br>Current<br>Active and reactive power<br>Active and reactive energy   |
| Device application          | Sub billing<br>Multi-tariff<br>Partial meter  |
| Accuracy class              | Active energy : class C according to EN 50470-3<br>Active energy : class 0.5S according to IEC 61557-12<br>Active energy : class 0.5S according to IEC 62053-22 |
| Input type                  | External CT   |
| [In] rated current          | 1 A<br>5 A  |
| Rated voltage               | 173...480 V<br>100...277 V  |
| Network frequency           | 50 Hz<br>60 Hz  |
| Technology type             | Electronic  |
| Display type                | LCD display   |
| Sampling rate               | 32 samples/cycle  |
| Measurement current         | <= 63 A   |
| Maximum value measured      | 99999999 MWh  |
| Tariff input                | 4 tariff  |
| Communication port protocol | M-bus 300, 600, 1200, 2400, 4800 and 9600 bauds 3750 V  |
| Communication port support  | Screw terminal block : M-Bus  |
| Typical current consumption | Communication M-bus : 2.3 mA  |
| Local signalling            | Overload : alarm<br>Accuracy checking : flashing LED (yellow)<br>Power ON : indicator light (green)   |
| 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 | Voltage circuit : screw terminals 2.5 mm <sup>2</sup><br>Current circuit : screw terminals 6 mm <sup>2</sup>                 |
| Overvoltage category    | III  |
| Standards               | IEC 61036<br>IEC 61557-12<br>IEC 62053-22<br>IEC 62053-23<br>IEC 61010<br>UL 61010-1   |
| Product certifications  | CULus conforming to UL 61010-1<br>CE conforming to IEC 61010<br>MID conforming to EN 50470-3<br>MID conforming to EN 50470-1 |

## Environment

|                                       |   |
|---------------------------------------|---|
| IP degree of protection               | IP20 (body) conforming to IEC 60529<br>IP40 (front panel) conforming to IEC 60529 |
| Pollution degree                      | 2   |
| Relative humidity                     | 5...95 % at 50 °C   |
| Ambient air temperature for operation | -25...55 °C   |
| 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   |
| RoHS (date code: YYWW)           | Compliant - since 1308 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available   |
| Product end of life instructions | Available   |

## Contractual warranty

|        |           |
|--------|-----------|
| Period | 18 months |
|--------|-----------|