A9MEM3210
iEM3210 energy meter - CT - 1 pulse O

Main
Range
Acti 9

Range of product
Acti 9 iEM3000

Device short name
IEM3210

Product or component type
Energy meter

Complementary
Poles description
3P
1P + N
3P + N

Type of measurement
Active energy

Device application
Partial meter
Sub billing

Accuracy class
Class 0.5S active energy conforming to IEC 62053-22
Class 0.5S active energy conforming to IEC 61557-12
Class C active energy conforming to EN 50470-3

Input type
External CT 1 A or 5 A

[In] rated current
5 A
1 A

Rated voltage
100…277 V
173…480 V

Network frequency
50 Hz
60 Hz

Technology type
Electronic

Display type
LCD display

Sampling rate
32 samples/cycle

Measurement current
1…32767000 mA

Maximum value measured
99999999 MWh

Communication port protocol
-

Communication port support
-

Local signalling
Green indicator light: power ON
Yellow flashing LED: accuracy checking
<table>
<thead>
<tr>
<th><strong>Number of inputs</strong></th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number of outputs</strong></td>
<td>1 pulse</td>
</tr>
<tr>
<td><strong>Mounting mode</strong></td>
<td>Clip-on</td>
</tr>
<tr>
<td><strong>Mounting support</strong></td>
<td>DIN rail</td>
</tr>
</tbody>
</table>
| **Connections - terminals** | Current circuit: screw terminals 6 mm² cable(s)  
Voltage circuit: screw terminals 2.5 mm² cable(s) |
| **Overvoltage category** | III |
| **Standards** | IEC 61036  
UL 61010-1  
IEC 61557-12  
IEC 62053-22  
IEC 61010  
IEC 62053-23 |
| **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 |
| **Mercury free** | Yes |
| **RoHS exemption information** | Yes |
| **China RoHS Regulation** | China RoHS declaration |
| **Environmental Disclosure** | Product Environmental Profile  
Circularity Profile  
WEEE |
| **Circularity Profile** | End of Life Information  
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 |