### A9MEM3250

### iEM3250 energy meter - CT - Modbus

#### Main

- **Range**: Acti 9
- **Range of product**: Acti 9 iEM3000
- **Device short name**: IEM3250
- **Product or component type**: Energy meter

#### Complementary

- **Poles description**: 3P, 3P + N, 1P + N
- **Type of measurement**: Active energy, Current, Voltage, Active power
- **Device application**: Sub billing, Partial meter
- **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**: Modbus RTU at 9.6, 19.2 and 38.4 kbauds even/odd or none, insulation 4000 V
- **Communication port support**: Screw terminal block: RS485
Local signalling

- Green indicator light: power ON
- Yellow flashing LED: accuracy checking
- Yellow indicator light: communications are active on the Modbus port (Modbus)

Number of inputs
0

Number of outputs
0

Mounting mode
Clip-on

Mounting support
DIN rail

Connections - terminals
- Current circuit: screw terminals 6 mm² cable(s)
- Voltage circuit: screw terminals 2.5 mm² cable(s)

Overvoltage category
III

Standards
- IEC 61557-12
- IEC 62053-22
- IEC 61036
- IEC 62053-23
- UL 61010-1
- IEC 61010

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

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

- REACh Regulation
  - REACh Declaration

- 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
  - End of Life Information

- 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