

# Product datasheet

Specifications



## iEM3135 energy meter - 63 A - M-bus - 1 digital I - 1 digital O - multi-tariff - MID

TSI code: 397406702 A9MEM3135

### Main

Range	Acti 9
Range of product	Acti 9 iEM3000
Device short name	IEM3135
Product or component type	Energy meter

### Complementary

Poles description	1P + N 3P 3P + N
Type of measurement	Active and reactive energy Active and reactive power Current Voltage
Metering type	Active, reactive, apparent energy (signed, four quadrant)
Device application	Sub billing Multi-tariff Partial meter
Accuracy class	Class 1 active energy conforming to IEC 62053-21 Class 1 active energy conforming to IEC 61557-12 Class B active energy conforming to EN 50470-3
Input type	Direct input
[In] rated current	63 A
Rated voltage	100...277 V 173...480 V
Network frequency	60 Hz 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
Tariff input	Tariff (4)
Communication port protocol	M-bus at 300, 600, 1200, 2400, 4800 and 9600 bauds, insulation 3750 V
Communication port support	Screw terminal block: M-Bus
Typical current consumption	Communication M-bus: 2.3 mA

<b>Local signalling</b>	Green indicator light: power ON Yellow flashing LED: accuracy checking alarm: overload
<b>Number of inputs</b>	1 digital 0...5 V/11...40 V 24 V DC
<b>Number of outputs</b>	1 digital (static)
<b>Output voltage</b>	5...40 V DC@50 mA
<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	DIN rail
<b>Connections - terminals</b>	Screw terminals 16 mm <sup>2</sup> cable(s)
<b>Overvoltage category</b>	III
<b>Standards</b>	IEC 61036 UL 61010-1 IEC 61557-12 IEC 61010 IEC 62053-21 IEC 62053-23
<b>Product certifications</b>	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

<b>IP degree of protection</b>	IP40 front panel: conforming to IEC 60529 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 -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>	454 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>	14.287 kg

Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Unit Type of Package 3	P12
Number of Units in Package 3	480
Package 3 Weight	220.32 kg
Package 3 Height	80 cm
Package 3 width	80 cm
Package 3 Length	120 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <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
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