

## Product data sheet

### Characteristics

# A9MEM2010

modular single phase power meter iEM2010 -  
230V - 40A with pulse



### Main

Range	Acti 9
Family	Acti 9 iEM2000
Device short name	IEM2010
Product or component type	Energy meter

### Complementary

Poles description	1P + N
Type of measurement	Active power
Device application	Sub billing
Accuracy class	Class 1 active energy conforming to IEC 62053-21
Input type	Direct input
Rated current	40 A
Rated voltage	230 V +/- 20 %
Network frequency	50 Hz 60 Hz
Frequency measurement range	48...62 Hz
Technology type	Electronic
Display type	Electromechanical
Sampling rate	32 samples/cycle
Measurement current	0...40 A
Display digits	7
Maximum value measured	999999.9 kWh
Communication port protocol	-
Communication port support	-
Local signalling	Green indicator light: power ON Yellow indicator light: metering and activity 3200 p/kWh
Digital inputs	0
Digital outputs	1 pulse
Output voltage	5...35 V DC@20 mA
Impulse duration	120 ms
Maximum power consumption in VA	10 VA
Mounting mode	Clip-on
Mounting support	DIN rail
Connections - terminals	Power circuit: tunnel type terminals (bottom) 1 10 mm <sup>2</sup> cable(s) Remote transfer: tunnel type terminals (top) 1 4 mm <sup>2</sup> cable(s)
Tightening torque	Power circuit: 1.2 N.m Remote transfer: 0.8 N.m

Standards	IEC 62053-21 IEC 61557-12
Product certifications	MID CE







## Environment

IP degree of protection	IP40 conforming to IEC 60529
Ambient air temperature for operation	-20...70 °C -20...55 °C
Ambient air temperature for storage	-40...70 °C
Relative humidity	0...95 % at 55 °C
Colour	White
9 mm pitches	2
Width	18 mm
Height	95 mm
Depth	67 mm
Product weight	0.073 kg

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	123 g
Package 1 Height	3.3 cm
Package 1 width	7.3 cm
Package 1 Length	10 cm
Unit Type of Package 2	S02
Number of Units in Package 2	38
Package 2 Weight	5.015 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
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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