

Product data sheet

Characteristics

A9MEM3350-NMI

Acti9, IEM3350 energy meter - 125 A - Modbus
- NMI

Main

Range	Acti9
Range of product	Acti9 iEM3000
Device short name	iEM3350
Product or component type	Energy meter

Complementary

Poles description	3P + N 3P 1P + N
Type of measurement	Active energy Current Voltage Active power
Device application	Partial meter Sub billing
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	125 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	0...125 A
Maximum value measured	99999999.9 kWh
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	Screw terminals 50 mm ² cable(s)
Overvoltage category	III

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Standards	IEC 61010 IEC 61036 IEC 62053-21 IEC 62053-23 IEC 61557-12
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 ACMA NMI conforming to NMI M 6-1 (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...60 °C - IEC
Ambient air temperature for storage	-40...85 °C
Operating altitude	< 2000 m
Colour	White
9 mm pitches	14
Width	126 mm
Height	103.2 mm
Depth	69.3 mm

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.6 cm
Package 1 Width	12.0 cm
Package 1 Length	13.0 cm
Package 1 Weight	704.0 g