Product datasheet

Specifications

iEM3150 energy meter - 63 A - Modbus

A9MEM3150

Main

Range	Acti9
Range Of Product	Acti9 iEM3000
Device Short Name	iEM3150
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	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	63 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…63 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Mounting Support	DIN rail
Connections - Terminals	Screw terminals 16 mm² cable(s)
Overvoltage Category	III
Standards	BS EN 61557-12:2021 IEC 61557-12:2021 EN 61557-12:2021 BS EN 61326-1 IEC 61326-1 EN 61326-1 BS EN 62052-11:2020 IEC 62052-11:2020 EN 62052-11:2020 BS EN 62053-21 IEC 62053-21 EN 62053-21 BS EN 62052-31:2015 IEC 62052-31:2015 EN 62052-31:2015 BS EN 61010-1:2010 EN 61010-1:2010 IEC 61010-1:2010 UL 61010-1:2010 BS EN 61010-2-30 IEC 61010-2-30 EN 61010-2-30 UL 61010-2-30 ANSI C12.16
Product Certifications	CE conforming to IEC 61010-1 (safety) CE conforming to EN 61557-12 (power monitor) CE conforming to EN/IEC 61326-1 (EMC) UKCA conforming to BS EN 61010-1 (safety) UKCA conforming to BS EN 61557-12 (power monitor) UKCA conforming to BS EN 61326-1 (EMC) CULus conforming to UL 61010-1 (safety) CULus conforming to EN 61010-1 (safety) EAC (sub-meter) KZ conforming to NMI M 6-1 KZ NMI conforming to NMI M 6-1

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…70 °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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	8.0 cm

Package 1 Width	9.5 cm
Package 1 Length	10.5 cm
Package 1 Weight	437.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	30
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	13.586 kg
Unit Type Of Package 3	P12
Number Of Units In Package 3	720
Package 3 Height	80.0 cm
Package 3 Width	120.0 cm
Package 3 Length	110.0 cm
Package 3 Weight	335.064 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency

RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information