



Main

Range	Acti 9
Family	Acti 9 iEM2100
Device short name	IEM2150
Product or component type	Energy meter

Complementary

Poles description	1P + N
Type of measurement	Active and reactive power Active and reactive energy Voltage Current
Metering type	Active, reactive, apparent energy (signed, four quadrant)
Device application	Sub billing Partial meter
Accuracy class	Active energy : class 1 according to IEC 62053-21 Reactive energy : class 2 according to IEC 62053-23
Input type	Direct input
Rated current	63 A
Rated voltage	230 V +/- 20 %
Network frequency	50 Hz 60 Hz
Frequency measurement range	45...65 Hz
Technology type	Electronic
Display type	LCD display
Sampling rate	32 samples/cycle
Measurement current	0...63 A
Display digits	8
Maximum value measured	999999.99 kWh
Tariff input	1 tariff
Communication port protocol	Modbus RTU 3 wires, : 1.2, 2.4, 4.8, 9.6, 19.2 and 38.4 kbauds, even/odd or none, insulation: 4000 V
Communication port support	RS485 (screw terminals)
Local signalling	LED (red) : accuracy checking 1...1000 p/kWh
Digital inputs	0

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

Digital outputs	0
Supply voltage	96...276 V AC 50 Hz
Power consumption in VA	<= 2 VA
Power consumption in W	<= 1 W
[Uimp] rated impulse withstand voltage	6 kV 1.2/50 µs
Mounting mode	Clip-on
Mounting support	DIN rail
Connections - terminals	Power circuit : bottom tunnel type terminals for 1 1.65...33 mm ² solid cable(s) Power circuit : bottom tunnel type terminals for 1 1.65...33 mm ² stranded cable(s) with cable end Communication : top screw clamp terminals for 1 1...4 mm ² solid cable(s) Communication : top screw clamp terminals for 1 1...2.5 mm ² stranded cable(s) with cable end
Tightening torque	Power circuit : 2 N.m with PZ2 Communication : 0.5 N.m (3.5 mm blade)
Wire stripping length	Power circuit : 17 mm Communication : 7 mm
Standards	IEC 62053-21 IEC 62053-23 IEC 62052-11 IEC 62052-31
Product certifications	CE

Environment

IP degree of protection	IP20 conforming to IEC 60529
Overvoltage category	III
Pollution degree	2
Flame retardance	V0 conforming to UL 94
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	95 %
Colour	White
9 mm pitches	4
Width	36 mm
Height	90 mm
Depth	64 mm
Product weight	0.175 kg

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 1610 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold