



Main

Range	Acti 9
Family	Acti 9 iEM2100
Device short name	IEM2110
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 Multi-tariff Partial meter
Accuracy class	Active energy : class 1 according to IEC 62053-21 Active energy : class B according to EN 50470-3 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	2 tariff
Communication port protocol	-
Communication port support	-
Local signalling	LED (red) : accuracy checking 1...1000 p/kWh

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 inputs	1 digital (tariff switching)
Digital outputs	2 pulse
Output voltage	3...33 V AC (90 mA) 5...70 V DC (90 mA)
Impulse duration	30...100 ms
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 Pulse output : top screw clamp terminals for 1 1...4 mm ² solid cable(s) Pulse output : 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 Pulse output : 0.5 N.m (3.5 mm blade)
Wire stripping length	Power circuit : 17 mm Pulse output : 6 mm
Standards	IEC 62053-21 IEC 62053-23 IEC 62052-11 IEC 62053-31 IEC 62052-31
Product certifications	MID conforming to EN 50470-1 MID conforming to EN 50470-3 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