A9MEM2110

modular single phase power meter iEM2110 - 230V - 63A with pulse - MID

Main

Range	Acti 9
Product name	Acti 9 iEM2100
Device short name	IEM2110
Product or component type	Energy meter
	Panelboard in industry for cost allocation (Energy cost management)
	Panelboard in datacenter for billing (Energy cost management)
	Panelboard in buildings / small building for cost allocation (Energy cost management)
	Panelboard in industry for billing (Energy cost management)
	Panelboard in datacenter for cost allocation (Energy cost management)
	Panelboard in healthcare for cost allocation (Energy cost management)
	Panelboard in buildings / medium building for cost allocation (Energy cost management)
	Panelboard in buildings / multi-site for cost allocation (Energy cost management)
	Panelboard in buildings / large building for cost allocation (Energy cost management)
	Panelboard in healthcare for billing (Energy cost management)
	Panelboard in buildings / small building for billing (Energy cost management)
	Panelboard in buildings / large building for billing (Energy cost management)
	Panelboard in buildings / medium building for billing (Energy cost management)
	Panelboard in buildings / multi-site for billing (Energy cost management)

Complementary

Poles description	1P + N
Type of measurement	Voltage Active and reactive power Current Active and reactive energy
Device application	Multi-tariff Partial meter Sub billing
Accuracy class	Active energy : class B according to EN 50470-3 Active energy : class 1 according to IEC 62053-21 Reactive energy : class 2 according to IEC 62053-23
Analogue input type	Direct input
[In] 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	<= 63 A
Display digits	8
Maximum value measured	999999.99 kWh

Information displayed	2 tariff
Communication port protocol	-
Communication port support	-
Local signalling	LED (red) : accuracy checking, 1...1000 p/kWh
Number of inputs	1 digital (tariff switching)
Number of outputs	2 pulse
Output voltage	3...33 V AC (90 mA) 5...70 V DC (90 mA)
Impulse duration	30...100 ms
[Us] rated 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 mm² stranded cable(s) with cable end Power circuit : bottom tunnel type terminals for 1 1.65...33 mm² solid cable(s) Pulse output : top screw clamp terminals for 1 1...4 mm² solid cable(s) Pulse output : top screw clamp terminals for 1 1...2.5 mm² 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	Pulse output : 6 mm Power circuit : 17 mm
Standards	IEC 62053-23 IEC 62053-21 IEC 62052-31 IEC 62053-31 IEC 62052-11
Product certifications	CE MID conforming to EN 50470-1 MID conforming to EN 50470-3
Compatibility code	IEM2110

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

Sustainable offer status	Not Green Premium product
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

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