

A9MEM2155

modular single phase power meter iEM2155 - 230V - 63A with comm Modbus - MID



Main

Range	Acti 9
Product name	Acti 9 iEM2100
Device short name	IEM2155
Product or component type	Energy meter

Complementary

Poles description	1P + N
Type of measurement	Voltage Current Active and reactive power Active and reactive energy
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
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	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
Number of inputs	1 digital (tariff switching)
Number of outputs	0
[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 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)

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Communication : 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 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 MID conforming to EN 50470-1 MID conforming to EN 50470-3

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
REACH	Reference not containing SVHC above the threshold