



Main

Range	Acti 9
Family	Acti 9 iEM2100
Device short name	IEM2135
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	Reactive energy : class 2 according to IEC 62053-23 Active energy : class B according to EN 50470-3 Active energy : class 1 according to IEC 62053-21
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	<= 63 A
Display digits	8
Maximum value measured	999999.99 kWh
Tariff input	2 tariff
Communication port protocol	M-bus 2 wires, : 300, 600, 1200, 2400, 4800 and 9600 bauds, insulation: 3750 V
Communication port support	M-Bus (screw terminals)
Local signalling	LED (red) : accuracy checking, 1...1000 p/kWh
Digital inputs	1 digital (tariff switching)
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 μ s
Mounting mode	Clip-on
Mounting support	DIN rail

Connections - terminals	Communication : top screw clamp terminals for 1 1...2.5 mm ² stranded cable(s) with cable end Communication : top screw clamp terminals for 1 1...4 mm ² solid cable(s) Power circuit : bottom tunnel type terminals for 1 1.65...33 mm ² stranded cable(s) with cable end Power circuit : bottom tunnel type terminals for 1 1.65...33 mm ² solid cable(s)
Tightening torque	Communication : 0.5 N.m (3.5 mm blade) Power circuit : 2 N.m with PZ2
Wire stripping length	Communication : 7 mm Power circuit : 17 mm
Standards	IEC 62053-21 IEC 62053-23 IEC 62052-11 IEC 62052-31
Product certifications	CE MID conforming to EN 50470-3 MID conforming to EN 50470-1

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