



Main

Range	Acti 9
Family	Acti 9 iEM2100
Device short name	IEM2105
Product or component type	Energy meter

Complementary

Poles description	1P + N
Type of measurement	Active energy
Device application	Sub billing Partial meter
Accuracy class	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	0...63 A
Display digits	5
Maximum value measured	999.99 MWh
Tariff input	1 tariff
Communication port protocol	-
Communication port support	-
Local signalling	Indicator light (green) : power ON Indicator light (yellow) : metering and activity 1000 p/kWh
Digital inputs	0
Digital outputs	1 pulse
Output voltage	24 V DC (18 mA) 230 V AC (100 mA)

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

Impulse duration	200 ms
Power consumption in VA	<= 2.5 VA
Mounting mode	Clip-on
Mounting support	DIN rail
Connections - terminals	Power circuit : bottom tunnel type terminals for 1 16 mm ²
Tightening torque	Power circuit : 1.5 N.m Remote transfer : 0.9 N.m
Standards	IEC 61557-12 IEC 62053-21
Product certifications	CE

Environment

IP degree of protection	IP50 conforming to IEC 60529
IK degree of protection	IK05
Ambient air temperature for operation	-20...70 °C at < 32 A -20...55 °C at >= 32 A
Ambient air temperature for storage	-40...70 °C
Relative humidity	95 % at 55 °C
Colour	White
9 mm pitches	4
Width	36 mm
Height	81 mm
Depth	65 mm
Product weight	0.135 kg