Product data sheet
Characteristics

A9MEM2105
modular single phase power meter iEM2105 - 230V - 63A with pulse

Main

Range	Acti 9
Product name	Acti 9 iEM2100
Device short name	IEM2105
Product or component type	Energy meter
	Panelboard in buildings / small building for cost allocation (Energy cost management)
	Panelboard in buildings / multi-site for cost allocation (Energy cost management)
	Panelboard in datacenter for cost allocation (Energy cost management)
	Panelboard in buildings / small building for billing (Energy cost management)
	Panelboard in buildings / medium building for billing (Energy cost management)
	Panelboard in industry for cost allocation (Energy cost management)
	Panelboard in buildings / large building for billing (Energy cost management)
	Panelboard in buildings / medium building for cost allocation (Energy cost management)
	Panelboard in industry for billing (Energy cost management)
	Panelboard in healthcare for cost allocation (Energy cost management)
	Panelboard in buildings / multi-site for billing (Energy cost management)
	Panelboard in buildings / large building for cost allocation (Energy cost management)
	Panelboard in datacenter for billing (Energy cost management)
	Panelboard in healthcare for billing (Energy cost management)

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
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	5
Maximum value measured	999.99 MWh
Information displayed	1 tariff
Communication port protocol	-
Communication port support	-

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Local signalling	Indicator light (green) : power ON Indicator light (yellow) : metering and activity, 1000 p/kWh
Number of inputs	0
Number of outputs	1 pulse
Output voltage	230 V AC (100 mA) 24 V DC (18 mA)
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 mm²
Tightening torque	Remote transfer : 0.9 N.m Power circuit : 1.5 N.m
Standards	IEC 62053-21 IEC 61557-12
Product certifications	CE
Compatibility code	IEM2105

Environment

IP degree of protection	IP50 conforming to IEC 60529
IK degree of protection	IK05
Ambient air temperature for operation	-20...55 °C at >= 32 A -20...70 °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