

METSEPM5111

PM5111 powermeter w modbus - upto 15th
H - 1DO 33alarms - flush - MID



Main

range	PowerLogic
product name	PowerLogic PM5000
device short name	PM5111
product or component type	Power meter

market segment	<p>Sub feeder in buildings / large building for billing (Energy cost management)</p> <p>Main incomer in datacenter for billing (Energy cost management)</p> <p>Sub feeder in buildings / medium building for billing (Energy cost management)</p> <p>Sub feeder in buildings / large building (Energy network management)</p> <p>Main incomer in datacenter for cost allocation (Energy cost management)</p> <p>Main incomer in buildings / medium building for billing (Energy cost management)</p> <p>Sub feeder in buildings / large building for cost allocation (Energy cost management)</p> <p>Main incomer in buildings / large building for cost allocation (Energy cost management)</p> <p>Sub feeder in healthcare (Energy network management)</p> <p>Sub feeder in buildings / small building for cost allocation (Energy cost management)</p> <p>Main incomer in healthcare for billing (Energy cost management)</p> <p>Main incomer in healthcare for cost allocation (Energy cost management)</p> <p>Main incomer in industry for cost allocation (Energy cost management)</p> <p>Main incomer in industry for billing (Energy cost management)</p> <p>Main incomer in buildings / small building for billing (Energy cost management)</p> <p>Sub feeder in healthcare for billing (Energy cost management)</p> <p>Sub feeder in buildings / medium building (Energy network management)</p> <p>Main incomer in buildings / small building for cost allocation (Energy cost management)</p> <p>Sub feeder in buildings / multi-site (Energy network management)</p> <p>Main incomer in buildings / multi-site for billing (Energy cost management)</p> <p>Main incomer in buildings / multi-site for cost allocation (Energy cost management)</p> <p>Sub feeder in buildings / small building (Energy network management)</p> <p>Sub feeder in industry for billing (Energy cost management)</p> <p>Sub feeder in datacenter for billing (Energy cost management)</p> <p>Sub feeder in buildings / multi-site for cost allocation (Energy cost management)</p> <p>Sub feeder in industry for cost allocation (Energy cost management)</p> <p>Sub feeder in buildings / small building for billing (Energy cost management)</p> <p>Main incomer in buildings / medium building (Energy network management)</p> <p>Sub feeder in healthcare for cost allocation (Energy cost management)</p> <p>Sub feeder in industry (Energy network management)</p> <p>Main incomer in buildings / medium building for cost allocation (Energy cost management)</p> <p>Main incomer in buildings / small building (Energy network management)</p> <p>Sub feeder in buildings / multi-site for billing (Energy cost management)</p> <p>Sub feeder in datacenter (Energy network management)</p> <p>Sub feeder in buildings / medium building for cost allocation (Energy cost management)</p> <p>Sub feeder in datacenter for cost allocation (Energy cost management)</p> <p>Main incomer in buildings / large building for billing (Energy cost management)</p>
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Complementary

power quality analysis	Up to the 15th harmonic
device application	Power monitoring
type of measurement	Current Frequency Energy Active and reactive power Voltage Power factor
[Us] rated supply voltage	100...415 V AC (45...65 Hz) 125...250 V DC
network frequency	50 Hz 60 Hz
[In] rated current	5 A 1 A
poles description	3P 3P + N 1P + N
power consumption in VA	10 VA at 415 V
display type	Backlit LCD
display resolution	128 x 128 pixels
sampling rate	64 samples/cycle
measurement current	10 mA...9 A
analogue input type	Voltage (impedance 5 MOhm) Current (impedance 0.3 mOhm)
measurement voltage	20...400 V AC 45...65 Hz between phase and neutral 35...690 V AC 45...65 Hz between phases
frequency measurement range	45...65 Hz
number of inputs	0
measurement accuracy	+/- 0.5 % active power +/- 0.5 % apparent power +/- 0.05 % frequency +/- 0.5 % active energy +/- 2 % reactive energy +/- 0.5 % voltage +/- 0.5 % current +/- 0.005 % power factor
accuracy class	Class 0.5S (active energy according to IEC 62053-22)
number of outputs	1 digital
communication port protocol	Modbus RTU and ASCII 2 wires, : 9.6, 19.2 and 38.4 kbauds, even/odd or none, insulation: 2500 V JBUS
communication port support	RS485
data recording	Min/Max of instantaneous values Time stamping
mounting mode	Flush-mounted
mounting support	Framework
standards	IEC 60529 IEC 61557-12 IEC 62053-24 EN 50470-1 IEC 62053-22 EN 50470-3 UL 61010-1
product certifications	CULus conforming to UL 61010-1 CE conforming to IEC 61010-1 MID conforming to EN 50470-1 MID conforming to EN 50470-3
width	96 mm
depth	72 mm
height	96 mm
product weight	380 g

Environment

electromagnetic compatibility	<ul style="list-style-type: none">● conducted and radiated emissions class class B, conforming to EN 55022● electrostatic discharge class level 4, conforming to IEC 61000-4-2● conducted RF disturbances class level 3, conforming to IEC 61000-4-6● limits for harmonic current emissions class class A, conforming to IEC 61000-3-2● magnetic field at power frequency class level 4, conforming to IEC 61000-4-8
IP degree of protection	IP52 (front) conforming to IEC 60529 IP30 (body) conforming to IEC 60529
relative humidity	5...95 % 50 °C
pollution degree	2
ambient air temperature for operation	-25...70 °C
ambient air temperature for storage	-40...85 °C
operating altitude	2000 m