Product datasheet
Characteristics

METSEPM5110
PM5110 powermeter w modbus - upto 15th H - 1DO 33alarms - flush mount

Price* : 6318400.00 IDR

Main

Range	PowerLogic
Product name	PowerLogic PM5000
Device short name	PM5110
Product or component type	Power meter
Market segment	Buildings / Small building (Energy Main incomer Cost management) in for Billing Buildings / Small building (Energy Sub feeder Cost management) in for Billing Buildings / Medium building (Energy Main incomer Cost management) in for Billing Buildings / Medium building (Energy Sub feeder Cost management) in for Billing Buildings / Large building (Energy Main incomer Cost management) in for Billing Buildings / Large building (Energy Sub feeder Cost management) in for Billing Buildings / Multi-site (Energy Main incomer Cost management) in for Billing Buildings / Multi-site (Energy Sub feeder Cost management) in for Billing Datacenter (Energy Main incomer Cost management) in for Billing Datacenter (Energy Sub feeder Cost management) in for Billing Healthcare (Energy Main incomer Cost management) in for Billing Healthcare (Energy Sub feeder Cost management) in for Billing Industry (Energy Main incomer Cost management) in for Billing Industry (Energy Sub feeder Cost management) in for Billing Buildings / Small building (Energy Main incomer Cost management) in for Cost allocation Buildings / Small building (Energy Sub feeder Cost management) in for Cost allocation Buildings / Medium building (Energy Main incomer Cost management) in for Cost allocation Buildings / Medium building (Energy Sub feeder Cost management) in for Cost allocation Buildings / Large building (Energy Main incomer Cost management) in for Cost allocation Buildings / Large building (Energy Sub feeder Cost management) in for Cost allocation Buildings / Multi-site (Energy Main incomer Cost management) in for Cost allocation Buildings / Multi-site (Energy Sub feeder Cost management) in for Cost allocation Datacenter (Energy Main incomer Cost management) in for Cost allocation Datacenter (Energy Sub feeder Cost management) in for Cost allocation Healthcare (Energy Main incomer Cost management) in for Cost allocation Healthcare (Energy Sub feeder Cost management) in for Cost allocation Industry (Energy Main incomer Cost management) in for Cost allocation Industry (Energy Sub feeder Cost management) in for Cost allocation Buildings / Small building (Energy Main incomer in Network management) Buildings / Small building (Energy Sub feeder in Network management) Buildings / Medium building (Energy Main incomer in Network management) Buildings / Medium building (Energy Sub feeder in Network management) Buildings / Large building (Energy Sub feeder in Network management)

	Buildings / Multi-site (Energy Sub feeder in Network management) Datacenter (Energy Sub feeder in Network management) Healthcare (Energy Sub feeder in Network management) Industry (Energy Sub feeder in Network management)

Complementary

Power quality analysis	Up to the 15th harmonic
Device application	Power monitoring
Type of measurement	Energy Active and reactive power Voltage Current Frequency 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	1 A 5 A
Poles description	1P + N 3P 3P + 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...9000 mA
Analogue input type	Current (impedance 0.3 mOhm) Voltage (impedance 5 MOhm)
Measurement voltage	35...690 V AC 45...65 Hz between phases 20...400 V AC 45...65 Hz between phase and neutral
Frequency measurement range	45...65 Hz
Number of inputs	0
Measurement accuracy	+/- 0.5 % active energy +/- 2 % reactive energy +/- 0.5 % active power +/- 0.5 % apparent power +/- 0.05 % frequency +/- 0.005 % power factor +/- 0.5 % current +/- 0.5 % voltage
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
Connections - terminals	Voltage circuit: 4 screw terminal block Control circuit: 2 screw terminal block Current transformer: 6 screw terminal block Input/Output circuit: 6 screw terminal block RS485 link: 4 screw terminal block
Mounting mode	Flush-mounted
Mounting support	Framework
Standards	IEC 60529 IEC 61557-12 IEC 62053-22 EN 50470-1 EN 50470-3 UL 61010-1 IEC 62053-24

Product certifications	CE conforming to IEC 61010-1 CULus conforming to UL 61010-1
Width	96 mm
Depth	72 mm
Height	96 mm
Product weight	380 g

Environment

Electromagnetic compatibility	• conducted and radiated emissions class class B, conforming to EN 55022 • limits for harmonic current emissions class class A, conforming to IEC 61000-3-2 • electrostatic discharge class level 4, conforming to IEC 61000-4-2 • conducted RF disturbances class level 3, conforming to IEC 61000-4-6 • 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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1321 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available