Product datasheet

Specification





Conzerv Power and Energy meter - instantaneous, pulse output, THD, Class 0.5S

METSEEM6400NGPOCL5

Main

Range	EasyLogic
Product Name	EM6400NG+ POP
Product Or Component Type	Energy meter

Power Quality Analysis	total harmonic distortion
Device Application	Power monitoring
Type Of Measurement	Current
	Voltage
	Frequency
	Apparent energy
	Apparent power
	Active and reactive energy
	Active and reactive power
Metering Type	Average current lavg
	Calculated neutral current
	Reactive power Q, Q1, Q2, Q3
	Peak demand currents
	Unbalance current
	Demand current I1, I2, I3
	Peak demand power PM, QM, SM
	Apparent power S, S1, S2, S3
	Phase currents
	Average voltage Vavg
	Voltage U21, U32, U13, V1, V2, V3
	Power factor and displacement PF (signed, four quadrant)
	Demand power P, Q, S
	Active power P, P1, P2, P3
	Active, reactive, apparent energy (signed, four quadrant)
[Us] Rated Supply Voltage	40300 V AC 4565 Hz
	40300 V DC
Network Frequency	50 Hz
	60 Hz
[In] Rated Current	1 A
	5 A
Type Of Network	3P
	1P + N
	2P + N
	2P
	3P + N
Maximum Power Consumption In Va	6 VA at 277 V between phase and neutral
Maximum Power Consumption In W	2 W at 277 V
Display Type	7 segments LED

Messages Display Capacity	3 fields of 4 characters
Display Digits	12 digit(s) - 14.2 mm in height
Communication Of Data	Reading of time-stamped measurements and events Total energy
	Energy metering
	Net energy
Tamperproof Of Settings	Protected by access code
Sampling Rate	64 samples/cycle
Measurement Current	56000 mA
Signal	Current 012 A (impedance 0.3 MOhm)6 x Voltage (impedance 5 MOhm)4 x
Measurement Voltage	35480 V AC 4565 Hz between phases
	35277 V AC 4565 Hz between phase and neutral 35600 V AC 4565 Hz between phases
	35347 V AC 4565 Hz between phase and neutral
	600999000 V AC 4565 Hz with external VT
Frequency Measurement Range	4565 Hz
Measurement Accuracy	Current +/- 0.5 %
	Voltage +/- 0.5 % Power +/- 0.5 %
	Frequency +/- 0.05 %
	Power factor +/- 0.01
Accuracy Class	Class 5P total current harmonic distortion THD (I) conforming to IEC 61557-12
	Class 5P total voltage harmonic distortion THD (U) conforming to IEC 61557-12 Class 0.5S active energy conforming to IEC 62053-22
	Class 1 reactive energy conforming to IEC 62053-24
Number Of Outputs	1 pulse
Output Voltage	540 V DC@20 mA
Impulse Duration	20 ms
Demand Intervals	Configurable from 1 to 60 min
Local Signalling	Green LED: activity Red LED: output signal 19999000 pulse/ k_h (kWh, kVAh, kVARh)
Communication Port Protocol	-
Communication Port Support	-
Data Recording	Energy consumption logs
Material	Polycarbonate
Flame Retardance	V-0 conforming to UL 94
Mounting Mode	Flush-mounted
Mounting Support	Framework
Installation Category	III
Type Of Installation	Indoor installation
Measurement Category	Category III 480 V Category II 480600 V
Electrical Insulation Class	Class II
Connections - Terminals	Current circuit: screw clamp terminals (bottom) 2.083.31 mm² cable(s)
	Voltage circuit: screw clamp terminals (top) 0.823.31 mm² cable(s)
	Control circuit: screw clamp terminals (top) 0.823.31 mm² cable(s) Communication: screw clamp terminals 0.333.31 mm² cable(s)
	Communication, screw damp terminals 0.555.5 i fffff Cable(s)
Tightening Torque	Current circuit: 0.91 N.m Philips No 2 screwdriver
	Voltage circuit: 0.91 N.m Philips No 2 screwdriver Control circuit: 0.91 N.m Philips No 2 screwdriver
	Communication: 0.91 N.m Philips No 2 screwdriver

Wire Stripping Length	Current circuit: 3.68 mm Voltage circuit: 7 mm Control circuit: 7 mm Communication: 7 mm	
Standards	IEC 61010-1:ed. 3 UL 61010-1:ed. 3	
Product Certifications	CE conforming to IEC 61010-1 CULus conforming to UL 61010-1 CULus conforming to CSA C22.2 No 61010-1 C-Tick	
Width	96 mm	
Depth	73 mm panel: 13 mm outside:	
Height	96 mm	
Net Weight	600 g	

Environment

Electromagnetic Compatibility	Electrostatic discharge conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 Surge immunity test conforming to IEC 61000-4-5 Conducted RF disturbances conforming to IEC 61000-4-6 Magnetic field at power frequency conforming to IEC 61000-4-8 Voltage dips and interruptions immunity test conforming to IEC 61000-4-11 Emission tests conforming to FCC part 15 class A	
Overvoltage Category	III	
Ip Degree Of Protection	IP51 front: conforming to IEC 60529 IP30 body: conforming to IEC 60529	
Relative Humidity	595 % at 50 °C	
Pollution Degree	2	
Ambient Air Temperature For Operation	-1060 °C	
Ambient Air Temperature For Storage	-2070 °C	
Operating Altitude	<= 2000 m	
Service Life	7 year(s)	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.2 cm
Package 1 Width	9.6 cm
Package 1 Length	9.6 cm
Package 1 Weight	0.5 kg

Sustainability Green Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

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