Product datasheet

Specifications



ION6200 meter (all measurmt) - w/ display 240VAC/300VDC - std com+2pls - w pwd

P6200A0A0B0A0B0R

Discontinued on: 18 Oct 2020

Discontinued

Main

Range	PowerLogic
Product name	PowerLogic ION6200
Device short name	ION6200
Product or component type	Energy and power quality meter

Complementary

Power quality analysis	harmonic distortion
Device application	Metering
Type of measurement	Apparent power total Apparent power per phase Current Voltage Frequency Harmonic distortion (I THD & U THD) Active and reactive power total Active and reactive energy Apparent energy Power factor Demand current (I1, I2, I3, Ig) Active and reactive power per phase
supply voltage	100...240 V AC 50/60 Hz 110...300 V DC
Network frequency	50 Hz 60 Hz
[In] rated current	10 A
Poles description	3P 3P + N 2P + N
Power consumption in VA	0.05 VA
Display type	7 segments LED + decimal point
Sampling rate	64 samples/cycle
Measurement current	0.005…12 A
Measurement voltage	60…400 V AC 50...60 Hz between phase and neutral 103.5…690 V AC 50...60 Hz between phases
Frequency measurement range	50…60 Hz
Number of inputs	0

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

Measurement accuracy	Current 0.3 % Voltage 0.3 % Power +/- 0.5 % Frequency +/- 0.1 % Power factor +/- 1 % Energy +/- 0.5 %
Accuracy class	Class 0.5 power conforming to IEC 60687 Class 0.5 energy conforming to IEC 60687 Class 0.5 power conforming to ANSI C12.20 Class 0.5 energy conforming to ANSI C12.20
Number of outputs	2 pulse
Communication port protocol	Modbus RTU, master at 19200 bauds ION
Communication port support	Screw terminal block: RS485 isolated
Transmission rate	19200 bauds
Tamperproof of settings	Protected by access code

Environment

Electromagnetic compatibility	Electrostatic discharge immunity test conforming to IEC 61000-4-2 Immunity to radiated fields conforming to IEC 61000-4-3 Immunity to fast transients conforming to IEC 61000-4-4 Surge immunity test conforming to IEC 61000-4-5 Conducted radio-frequency immunity test conforming to IEC 61000-4-6 Emission standard for industrial environments conforming to IEC 61000-4-2
Mounting mode	Panel-mounted
Mounting support	Enclosure door
Type of installation	Indoor
IP degree of protection	IP65 front: IP30 back:
Relative humidity	5…95 %
Pollution degree	2
Ambient air temperature for operation	-20…70 °C
Ambient air temperature for storage	-40…85 °C
Product certifications	CUL conforming to CSA C22.2
Standards	CSA 1010-1 EN 61010-1 UL 3111-1
Width	110 mm
Depth	65 mm
Height	110 mm
Net weight	0.68 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	16 cm
Package 1 Width	15 cm
Package 1 Length	31 cm
Package 1 Weight	0.8 kg

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

EU RoHS Directive	Compliant