



Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Range	PowerLogic
Product name	PowerLogic ION7650
Device short name	ION7650
Product or component type	Energy and power quality meter

Complementary

Power quality analysis	<ul style="list-style-type: none"> Harmonic distortion Compliance monitoring Dip and swell, transient Disturbance direction detection Programmability (logic and math functions) Setpoint learning Voltage sag and swell detection Waveform capture Up to the 63rd harmonic
Device application	<ul style="list-style-type: none"> Energy pulsing and totalisation Co-generation and IPP monitoring Demand and power factor control Tariff metering Load curtailment Equipment monitoring and control Instrument transformer correction
Type of measurement	<ul style="list-style-type: none"> Power factor total Power factor per phase Apparent power total Apparent power per phase Active power total Active power per phase Reactive power total Reactive power per phase Current Voltage Frequency
Supply voltage	<ul style="list-style-type: none"> 110...300 V DC 85...240 V AC 47...63 Hz
Network frequency	60 Hz
Line Rated Current	5 A
Poles description	<ul style="list-style-type: none"> 3P 1P + N 3P + N
Power consumption in VA	20 VA
Maximum power consumption in VA	45 VA
Display resolution	320 x 240 pixels QVGA
Display type	Backlit LCD
Sampling rate	512 samples/cycle
Measurement current	0...5 A

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Input type	Current 0.005...20 A 0.002 Ohm)
Measurement voltage	100...600 V AC phase to phase 57...347 V AC phase to neutral
Frequency measurement range	42...69 Hz
Number of inputs	8 digital 120 V DC
Measurement accuracy	Current 0.1 % 1...5 A Voltage 0.1 % 57...288 V Energy 0.2 %
Accuracy class	Class 0.2S energy IEC 62053-22
Number of outputs	3 relay 4 solid state
Communication port protocol	ION Telnet IEC 61850 DNP3 Modbus TCP/IP
Communication port support	SUB-D 9 RS232 ST fiber optic RJ11 modem RJ45 Ethernet RS485
Data recording	Data logs Min/Max of instantaneous values Event logs GPS synchronisation Time stamping Sequence of event recording Trending/forecasting
Transmission rate	300...115200 bauds 10/100 Mbit/s <= 19200 bauds 300...57600 bauds
Memory capacity	5 MB
Web services	Web server
Tamperproof of settings	Protected by access code
Compatibility code	ION7650

Environment

Electromagnetic compatibility	Electrostatic discharge IEC 61000-4-2 Susceptibility to electromagnetic fields IEC 61000-4-3 Electrical fast transient/burst immunity test IEC 61000-4-4 1.2/50 μ s shock waves immunity test IEC 61000-4-5 Conducted and radiated emissionsB CISPR 22
Mounting mode	Flush-mounted
Mounting support	Enclosure door
Type of installation	Indoor installation
Overvoltage category	III
IP degree of protection	Back IP30 IEC 60529 Front face IP50 IEC 60529
Relative humidity	5...95 %
Pollution degree	2
Ambient air temperature for operation	-4...158 °F (-20...70 °C)
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Operating altitude	0...6561.68 ft (0...2000 m)
Standards	IEC 61010-1
Width	7.56 in (192 mm)
Depth	6.85 in (174 mm)
Height	7.56 in (192 mm)
Product weight	4.19 lb(US) (1.9 kg)

Ordering and shipping details

Category	09754 - POWERLOGIC ION 75/76 HARDWARE
Discount Schedule	PM1
GTIN	00785901686064
Package weight(Lbs)	2.86 kg (6.3 lb(US))
Returnability	Yes
Country of origin	CA

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Dichloromethane (Methylene chloride) and Bisphenol A (BPA) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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