

Product data sheet

Characteristics

P7650A1C0B6A0A0A
ION7650 - wDispl - 5MB 1024s - 5A
240VAC/300VDC 60Hz - RS+T2 - 8I+3R+4O

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



Price* : 8,137.00 USD



⚠ Discontinued

P7650A1C0B6A0A0A has not been replaced. Please contact your customer care center for more information.

Main

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

Complementary

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|------------------------|--|
| Power quality analysis | <ul style="list-style-type: none"> Waveform capture Disturbance direction detection Compliance monitoring Dip and swell, transient Harmonic distortion Programmability (logic and math functions) Setpoint learning Voltage sag and swell detection Up to the 63rd harmonic |
| Device application | <ul style="list-style-type: none"> Tariff metering Co-generation and IPP monitoring Demand and power factor control Load curtailment Equipment monitoring and control Energy pulsing and totalisation Instrument transformer correction |
| Type of measurement | <ul style="list-style-type: none"> Apparent power total Apparent power per phase Active power total Active power per phase Reactive power total Reactive power per phase Voltage Current Frequency Power factor total Power factor per phase |
| Supply voltage | 85...240 V AC 47...63 Hz |

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|-----------------------------|---|
| | 110...300 V DC |
| Network frequency | 60 Hz |
| Line Rated Current | 5 A |
| Poles description | 1P + N 3P 3P + N |
| Power consumption in VA | 20 VA <= 45 VA |
| Display resolution | 320 x 240 pixels QVGA |
| Display type | Backlit LCD |
| Sampling rate | 1024 samples/cycle |
| Measurement current | 0...5 A |
| 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 | 0.2 % energy 0.1 % current 1...5 A 0.1 % voltage 57...288 V |
| Accuracy class | Class 0.2S energy conforming to IEC 62053-22 |
| Number of outputs | 3 relay 4 solid state |
| Communication port protocol | Telnet DNP3 : <= 115.2 kbits/s, ION : <= 115.2 kbits/s, Modbus : <= 115.2 kbits/s, Modbus master |
| Communication port support | RS485 Infrared RS485/RS232 SUB-D 9 |
| Data recording | Data logs Event logs Min/Max of instantaneous values Sequence of event recording Time stamping Trending/Forecasting GPS synchronisation |
| Transmission rate | 300...57600 bauds 300...115200 bauds <= 19200 bauds |
| Memory capacity | 5 MB |
| Web services | Web server |
| Tamperproof of settings | Protected by access code |

Environment

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|---------------------------------------|---|
| Electromagnetic compatibility | <ul style="list-style-type: none"> • susceptibility to electromagnetic fields, conforming to IEC 61000-4-3 • electrical fast transient/burst immunity test, conforming to IEC 61000-4-4 • 1.2/50 µs shock waves immunity test, conforming to IEC 61000-4-5 • electrostatic discharge, conforming to IEC 61000-4-2 • conducted and radiated emissions class B, conforming to CISPR 22 |
| Mounting mode | Flush-mounted |
| Mounting support | Enclosure door |
| Type of installation | Indoor installation |
| Overvoltage category | III |
| IP degree of protection | IP30 back IEC 60529 IP50 front face IEC 60529 |
| Relative humidity | 5...95 % |
| Pollution degree | 2 |
| Ambient air temperature for operation | -4...158 °F (-20...70 °C) |

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| 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

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|-----------------------|---------------------------------------|
| Category | 09754 - POWERLOGIC ION 75/76 HARDWARE |
| Discount Schedule | PM1 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 6.299999999999998 |
| Returnability | N |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0801 - 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 |
| California proposition 65 | WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov |

Contractual warranty

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| Warranty period | 18 months |
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