



PSPBL160SW

QuikWire Plug and Play Energy Meters

MCCB Panel Board Digital Metering System

96 x 96 Panel Mounted Energy Meter (PS3 Quickwire) Specification

Input

Nominal input voltage	100-289V AC L-N (173-500V AC L-L)
Max. continuous input overload voltage	120% of nominal
Max. short duration voltage	2 x range maximum (1 second application input repeated 5 times at 5 minute intervals)
Nominal input voltage burden	< 0.2VA per phase
Nominal input current	5A AC rms
Max. continuous input overload current	120% of nominal
Max. short duration input current	10 x nominal (1 second application repeated 5 times at 5 minute intervals)
Frequency	45-66Hz

Auxiliary

Operating range	110-400V AC nominal +/-10% (99-440V AC absolute limits) or 120-350V DC +/-20% (96-420V DC absolute limits)
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Accuracy

Voltage (V)	0.5%
Current (A)	0.5%
Neutral current calculated (A)	4%
Frequency (Hz)	0.1 Hz
Power factor (PF)	1% of unity
Active power (W)	+/- 1% of range
Reactive power (VAr)	+/- 1% of range
Apparent power (VA)	+/- 1% of range
Active energy (kWh)	Class 1 (IEC 62053-21)
Reactive energy (kVArh)	+/- 1% of range
THD	1% up to 31st harmonic
Response time	1sec

Output modules (optional)

Output modules (optional)	1 per module
Pulsed output relays	(2 modules fitted per Ci3)
Contact rating	50mA max at 250V AC
Type	Solid state relay
RS485 Modbus TM	1 Modbus TM channel per module
output module	(maximum of 1 module fitted per Ci3)
Type	2-wire half duplex
Baud rate	2400, 4800, 9600, 19200, 38400

Enclosure

Enclosure style	DIN 96 panel mount
Enclosure style	96x96x64.1mm (depth behind panel without module 58mm, with module 82.5mm)
Dimensions	92x92mm
Panel cut-out	1-5mm (1-3mm when used with IP65 cover)
Panel thickness	IP52
Front protection rating	IP30
Case protection rating	Polycarbonate to UL94V0
Material	300g
Weight	Shrouded screw-clamp 0.05-4mm wire
Terminals	



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Environment

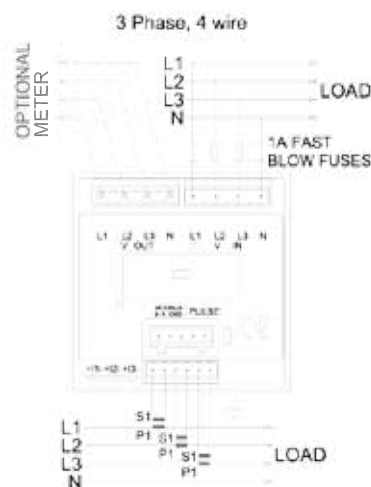
Operating temperature	-10°C to +55°C
Storage temperature	-20°C to +70°C
Relative humidity	0-90% non-condensing
Shock	30g in 3 planes
Vibration	10Hz to 50Hz
Dielectric voltage	Withstand test 3.25kV rms 50Hz for 1 minute between comms and measuring inputs, comm and aux, aux and measuring inputs

Catalogue No'S.

Description	Part No.
250A Meter Pack (bottom connection only)	PSPBS250MP
250A Plug and Play Incoming Meter Kit (fits into the bottom meter position of side ext box)	PSPBS250SW
Description	Part No.
400A Meter Pack (bottom connection only)	PSPBS400MP
400A Incoming Meter (fits into bottom meter position of side ext box)	PSPBS400SW
Description	Part No.
630A Meter Pack (bottom connection only)	PSPBS630MP
630A Incoming Meter (fits into bottom meter position of side ext box)	PSPBS630SW
Description	Part No.
63A Meter Kit (including CT, meter and plug-in loom)	PSPBL63SW
125A Meter Kit (including CT, meter and plug-in loom)	PSPBL125SW
160A Meter Kit (including CT, meter and plug-in loom)	PSPBL160SW
250A Meter Kit (including CT, meter and plug-in loom)	PSPBL250SW

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Quikwire – Plug in metering



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