

MID Approved Metered Distribution Board



Features

- Integrated Energy Monitoring pre-installed in Type B TPN distribution board
 - Speeds installation and eliminates meter installation errors on site
- MID approved meter (Annex B & D) - multifunction
 - A legal requirement for tenant billing in commercial buildings
- Pulsed output (kWh) and RS485 communication as standard
 - Provides wide compatibility with many EMS / BMS communication requirements



HAVELLS

MID Approved Metered Distribution Board

In building services applications, the requirement for MID approved meters is often overlooked and in many circumstances not fully understood. However specifically where billing of electricity for commercial and domestic tenants is a potential requirement, an approved MID meter offers the ideal energy monitoring solution.

The new range of metered 125A TPN MCB distribution boards from Havells comes complete with an MID approved meter as standard, pre-installed and ready to go. Available in 6, 12 and 18 TP ways.

For applications requiring larger cables up to 120mm² or higher loads (A), a 250A TPN distribution board range is also available. For this 250A TPN range, the meter and CT is provided as a separate kit and where required is added within the main enclosure. Available in sizes - 6 to 24 ways.

The NEW PS6 energy meter is certified to annex B and D of the EC Directive 2004/22/EC and has been tested and certified for single or three phase systems for both import and export active energy (kWh).

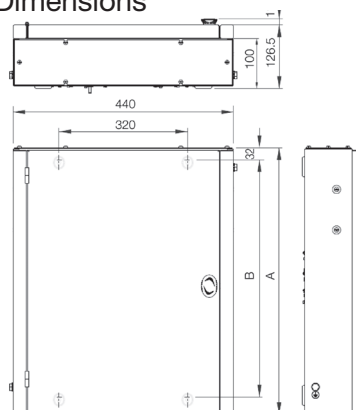
- MID Approved meter as standard to future proof for tenant billing
- Pulsed output (kWh) and Modbus RTU communication for wide compatibility with EMS / BMS systems
- Ready to install

Part No's

Description	Current (A)	No. of Ways	Part No
6way TPN MID Metered Distribution Board	125A	6	PSB61MID
12way TPN MID Metered Distribution Board	125A	12	PSB121MID
18way TPN MID Metered Distribution Board	125A	18	PSB181MID
MID Meter & CT Kit For 250A Distribution Board	250A	-	PSBMP250MID

Parameters	
• Phase to phase voltage	• Power max demand
• Phase to neutral voltage	• Power factor
• Frequency	• Import kWh
• Voltage total harmonic distortion (THD) current	• export kWh
• Neutral current (Calculated)	• Import kVarh
• Current max demand	• export kVarh
• Current total harmonic (THD)	• total kWh (Active energy)
• kW, kVA & kVAr	• total kVarh (Reactive energy)

Dimensions



Accuracy	
Voltage	0.5% of range maximum
Current	0.5% on nominal
Frequency	0.2% of mid-frequency
Power factor	1% of unity (0.01)
Active power (W)	± 1% of range maximum
Reactive power (VAr)	± 2% of range maximum
Apparent power	± 1% of range maximum
Active energy (Wh)	Class 1 IEC 62052-21
Reactive energy (VARh)	± 2% of range maximum
Total harmonic distortion	1% up to 31st harmonic
Response time to step Input	1s, typical, to >99% of final reading, at 50Hz

Way (125A)	Dimension		Part No.
	A (mm)	B (mm)	
6	581	500	PSB61MID
12	799	716	PSB121MID
18	1040	959	PSB181MID

Way (250A)	Dimension		*Part No.
	A (mm)	B (mm)	
6	956	820	PSB62
12	1118	982	PSB122
18	1263	1127	PSB182
24	1425	1289	PSB242

* 250A Distribution board - requires metering kit - PSBMP250MID

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