

# 5.6

## Memshield 3 MCCB panelboards and associated devices

### Plug-in incoming metering

When configuring panelboard incoming metering, simply identify panelboard and incomer type, then order the following modules detailed in the selection chart below-

1. Incoming meter connection kit
2. Incoming meter enclosure
3. Meter
4. Voltage supply to meter tap-off kit
5. Top or bottom mounted cable extension box (When necessary see note)

Plug-in connectivity is provided between meter, CT and supply.

Incoming metering can be configured with outgoing metering.

Meter connection arrangement



### Incoming metering module selection

Meter module	Panelboard	EPBN1425, EPBN1625, EPBN1825, EPBN11225			EPBN1640, EPBN11240			EPBN2640, EPBN21240, EPBN21840		
		250A 3P MCCB/switch	250A 4P MCCB/switch	250A 3P lugs	400A 3P MCCB/switch	400A 4P MCCB/switch	400A 3P lugs	400A 3P MCCB/switch	400A 4P MCCB/switch	400A 3P lugs
Incoming metering connection kit	EPBKN1253M	✓								
	EPBKN1254M		✓							
	EPBKN125LM			✓						
	EPBKN2403M				✓			✓		
	EPBKN2404M					✓			✓	
	EPBKN240LM						✓			✓
Incoming meter enclosure	EPBN1EX250M	✓	✓	✓						
	EPBN2EX250M				✓	✓	✓	✓	✓	✓
Meter	EPBMETER1	✓	✓	✓	✓	✓	✓	✓	✓	✓
Voltage supply to meter tap-off kit	EPBN1SUPM	✓	✓	✓						
	EPBN3SUPM				✓	✓	✓	✓	✓	✓
Cable extension box <sup>1)</sup>	EPBN2EX250				✓	✓		✓	✓	
Meter module	Panelboard	EPBN2863, EPBN21263, EPBN21863			EPBN3880, EPBN31280					
		630A 3P MCCB/switch	630A 4P MCCB/switch	630A 3P lugs	800A 3P MCCB/switch	800A 4P MCCB/switch				
Incoming metering connection kit	EPBKN2633M	✓								
	EPBKN2634M		✓							
	EPBKN3803M				✓					
	EPBKN3804M					✓				
	EPBKN263LM			✓						
Incoming meter enclosure	EPBN3EX250M	✓	✓	✓	✓	✓				
Meter	EPBMETER1	✓	✓	✓	✓	✓				
Voltage supply to meter tap-off kit	EPBN3SUPM	✓	✓	✓	✓	✓				
Cable extension box <sup>1)</sup>	EPBN3EX250	✓	✓		✓	✓				

<sup>1)</sup>When incoming meter enclosure is fitted at the feed end of the panelboard there is no need for a cable extension box

### Meter

Meter is available with pulsed and modbus outputs.  
Simply installed with 2 locking screws.



### Incoming meter enclosure

250mm high enclosure with hinged front door.  
Simply bolted to the top or the bottom of the panelboard.



### Supply tap-off

Provision to fit tap-off to either the left and/or right hand side of the pan assembly.  
Only 1 per panelboard is required but provision to fit two is an option.



### Incoming metering connection kit

This includes all copper connectors, CT, shielding and CT to meter cable. Can be top or bottom fed.

This does not include the incoming device, which has to be ordered separately.



### Cable extension box (when necessary)

250mm high enclosure, fitted incoming end.

When incoming meter enclosure is fitted at the feed end of the 400A/630A/800A boards there is no need for a cable extension box.

