

5.7

Memshield 3 MCCB panelboards and associated devices

Plug-in outgoing metering

When configuring panelboard outgoing metering, simply identify panelboard and number of outgoing breaker type, then order the following modules detailed in the selection chart below:

1. Outgoing CT kit
2. Outgoing side mounted meter extension box
3. Meter
4. Voltage supply to meter tap-off kit
5. Extra long meter to meter voltage linking kit to feed to meter extension box on other side of panelboard if necessary
6. Extra long CT to meter linking cable if required
7. Three phase splitter box to allow separate monitoring of a three phase current transformer on individual energy meters if required

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

Outgoing metering can be configured with incoming metering.

Meter connection arrangement



Outgoing metering module selection

Meter module	Panelboard	EPBN1625	EPBN1625	EPBN1825	EPBN11225	EPBN1640	EPBN11240	EPBN2640	EPBN21240	EPBN21840	EPBN2863	EPBN21263	EPBN21863	EPBN3880	EPBN31280
Outgoing CT kit (1 off required per outgoing way)	EPBCTMT160 (NZM1 160A)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	EPBCTMT250 (NZM2 250A)							✓	✓	✓	✓	✓	✓	✓	✓
	EPBCTMT400 (NZM3 400A)													✓	✓
Outgoing side mounted meter extension box	EPBN1425SXM	✓													
	EPBN1625SXM		✓												
	EPBN1825SXM			✓											
	EPBN11225SXM				✓										
	EPBN2640SXM					✓		✓							
	EPBN21240SXM						✓		✓						
	EPBN21840SXM									✓					
	EPBN21263SXM										✓	✓		✓	
	EPBN21863SXM												✓		✓
Meter	EPBMETER1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Voltage supply to meter tap-off kit	EPBN1SUPM	✓	✓	✓	✓										
	EPBN3SUPM					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CT mount for outgoing meter cable way ¹⁾	EPBSXBCTMT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extra long meter to meter voltage linking kit	EPBN3LKKTM	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extra long CT to meter linking kit	EPBN3LKRJ45	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Three phase splitter box	EPBCTMT3P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

¹⁾ Only required when terminal shields are fitted to outgoing MCCBs. The CT can be fitted in a side-mounted cable extension box. One CT mount per outgoing CT.

Meter

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



Outgoing meter kit

One kit per outgoing way, includes CT, CT to meter cable, and meter to meter voltage linking cable.

NZM1 – 160A max
NZM2 – 250A max
NZM3 – 400A max



Outgoing side mounted meter extension box

Can be fitted on the left and right hand side of the panelboard.

All outgoing meter apertures, except one, have removable blanking shields fitted.



Three phase splitter box

Allows for separate monitoring of a three phase current transformer on individual energy meters



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.



Extra long CT to meter linking cable

Required when CT is fitted on opposite side to meter extension box. 2.5m long.



Extra long meter to meter voltage linking kit

Required when:

Incoming and outgoing metering on one side = 1 off
Outgoing metering on both sides = 2 off
Incoming and outgoing metering on both sides = 3 off
2m long

