



**DORMAN  
SMITH**

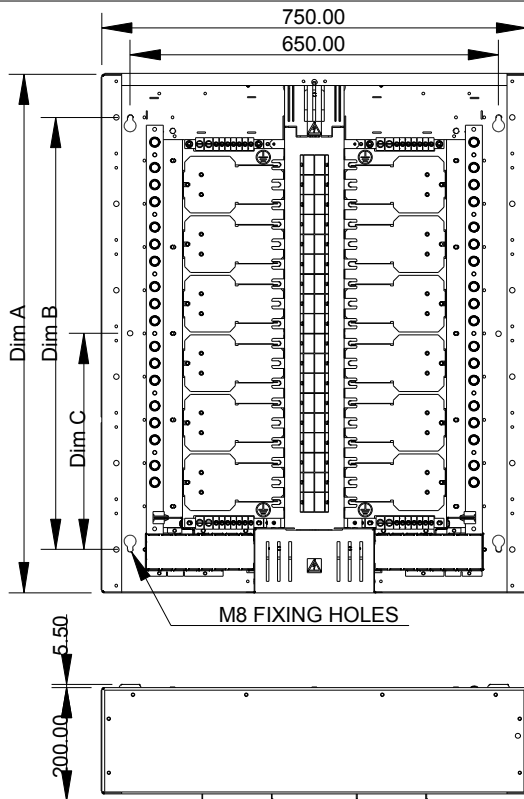
LB406YA3EBM, LB412YA3EBM, LB418YA3EBM  
LB806YA3EBM, LB812YA3EBM, LB818YA3EBM

**LOADBANK  
250**

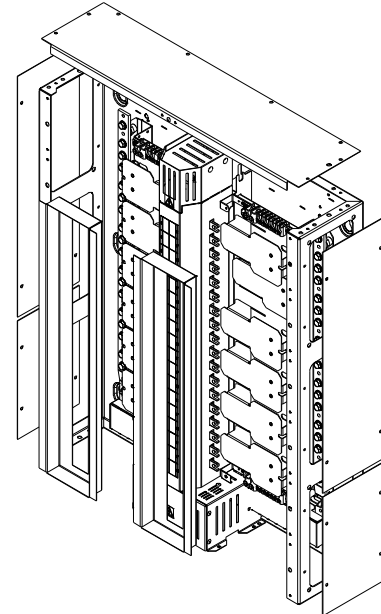
## 400/800A FORM 3b YA3/YB3 MCCB PANELBOARD

### FITTING INSTRUCTIONS

SHEET 1 OF 2

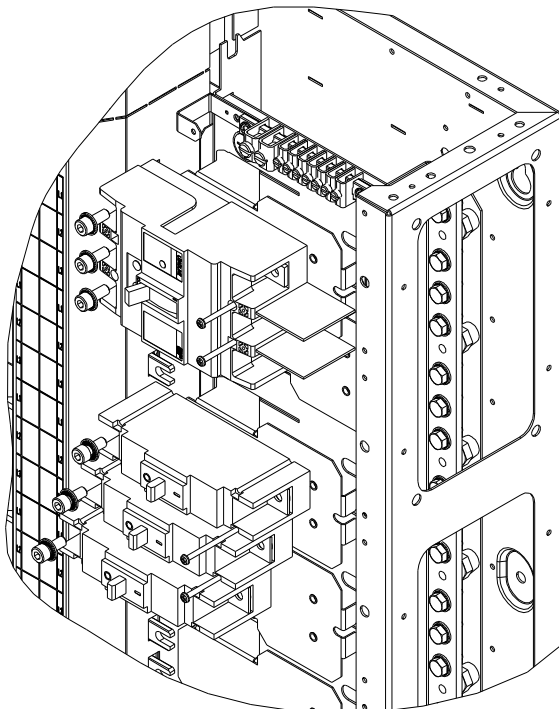


CAT NO,	DIM, A	DIM, B	DIM, C	FIXINGS
LB804YA3EBM LB806YA3EBM	609.60	456.70	--	4
LB412YA3EBM LB812YA3EBM	914.40	761.50	381.00	6
LB418YA3EBM LB818YA3EBM	1219.20	1066.30	533.15	6



#### **FITTING ENCLOSURE**

- 1) Remove all front/end plates and fix the unit to the wall using suitable bolts (not supplied).
- 2) Enclosures for incoming devices or horizontal busbars may be fitted above or below the unit. Refer to the relevant catalogue for a full list. Each unit has its own specific fitting instruction. Leave space for add-on enclosure and note change of phase sequence if used for top entry.

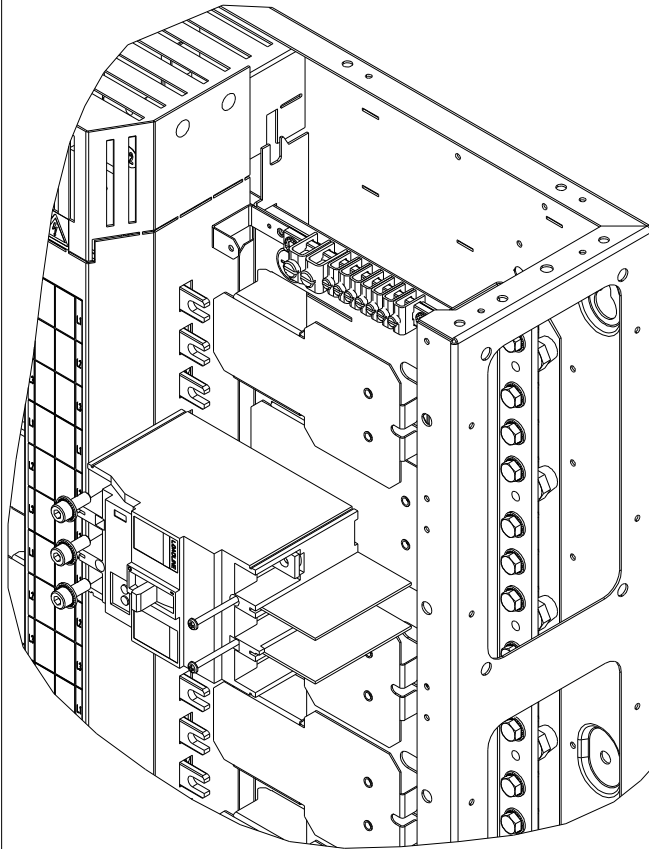


#### **FITTING THERMAL/MAG TP DEVICES & SP DEVICES**

- 1) Ensure supply to the unit is switched off before removing front plate.
- 2) The mounting adaptor plates are supplied fitted in the raised position, align the MCCB to the busbar terminals with the "OFF" position towards the busbars as shown, taking care with the phase orientation, and fasten to the mounting adaptor plate with the screws supplied with the MCCB.
- 3) Fully tighten the busbar connections. Refer to instructions supplied with MCCB for torque figures, setting details and additional information concerning the MCCB.
- 4) Install incoming cables using appropriate cable glands and sockets. To avoid swarf and other foreign objects entering the enclosure always remove gland plates to cut cable / trunking entries.
- 5) NOTE: All unused outgoing ways & the busbar terminal screws of fitted MCCBs must be fitted with cross connection mouldings supplied. (see sheet 2). Unused ways in front plate can be blanked off using blanks LBBP3PYA3 (available separately).
- 6) Use the earth kit supplied to attach earth connection to either end of unit as required.
- 7) Check tightness and alignment of all connections.
- 8) Refit front/end plates.

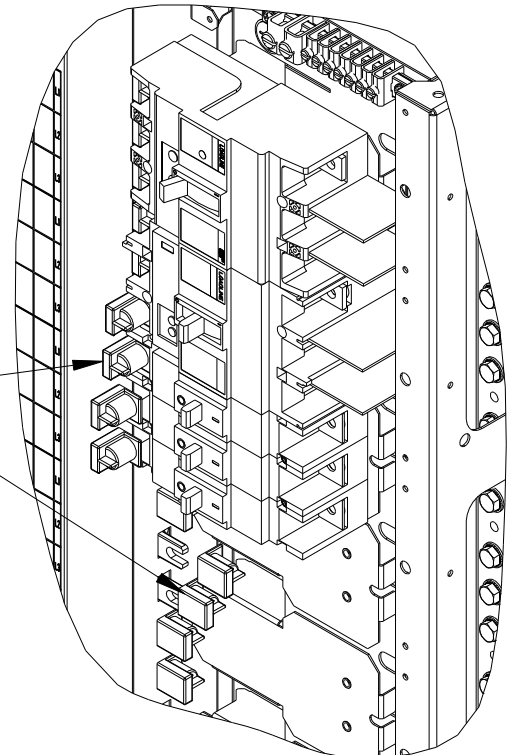
**400/800A FORM 3b YA3/YB3 MCCB PANELBOARD**
**FITTING INSTRUCTIONS**

SHEET 2 OF 2

**FITTING ELECTRONIC TP DEVICES**


- 1) Ensure supply to the unit is switched off before removing front plate.
- 2) The mounting adaptor plates are supplied fitted in the raised position, remove the M5 fixing screw and refit the mounting adaptor plate in the lower position, align the MCCB to the busbar terminals with the "OFF" position towards the busbars as shown, taking care with the phase orientation, and fasten to the mounting adaptor plate with the screws supplied with the MCCB.
- 3) Fully tighten the busbar connections. Refer to instructions supplied with MCCB for torque figures, setting details and additional information concerning the MCCB.
- 4) Install incoming cables using appropriate cable glands and sockets. To avoid swarf and other foreign objects entering the enclosure always remove gland plates to cut cable / trunking entries.
- 5) NOTE: All unused outgoing ways & the busbar terminal screws of fitted MCCBs must be fitted with cross connection mouldings supplied. (see below). Unused ways in front plate can be blanked off using blanks LBBP3PYA3 (available separately).
- 6) Use the earth kit supplied to attach earth connection to either end of unit as required.
- 7) Check tightness and alignment of all connections.
- 8) Refit front/end plates.

Fit busbar connection mouldings to all unused way terminals & MCCB busbar terminal screws as shown.


**TESTING AND COMMISSIONING**

Before the unit and the installation of which it forms a part are commissioned, they must be tested in accordance with the requirements of the latest edition of the Requirements for Electrical Installation.

**RECOMMENDED TORQUE FIGURES**

SIZE	M5	M6	M8	M10	M12	M16
TORQUE Nm	5.5	9.5	17	28	45	91