

## MEMSHIELD 4 INSTALLATION INSTRUCTIONS FOR EM4PBLSC LIVE SIDE CONNECTION (up to 125A)

Instruction leaflet LT1226 (02/19)

### IMPORTANT NOTES

1. This product should be installed, commissioned and maintained by or under the supervision of a competent electrician in accordance with current electrical engineering Codes of Practice, Requirements for the Electrical Installations (IET Wiring Regulations BS7671), Construction (Design and Management) Regulations, HSG150 - Health and Safety in Construction, Statutory requirements and any Specific instruction issued by the Company.
2. After completing the installation and testing of this product it is essential that this leaflet is drawn to the attention of the person responsible for its future operation and maintenance, and is at all times available for ready reference.
3. These notes assume throughout that the product is disconnected from the supply. It is essential that this is done before any work is carried out.
4. These Panelboards are only designed for use with Eaton MCCBs. Failure to comply will result in invalid warranty and certification.

### Items Supplied in Live Side Connection Kit

M8 x 16mm Hex Head Bolt DIN934 Grade 8.8	4 Qty
M8 CONICAL SPRINGWASHER DIN6796	4 Qty
Copper Connectors - 25 x 3mm	4 Qty
Caution Label	1 Qty

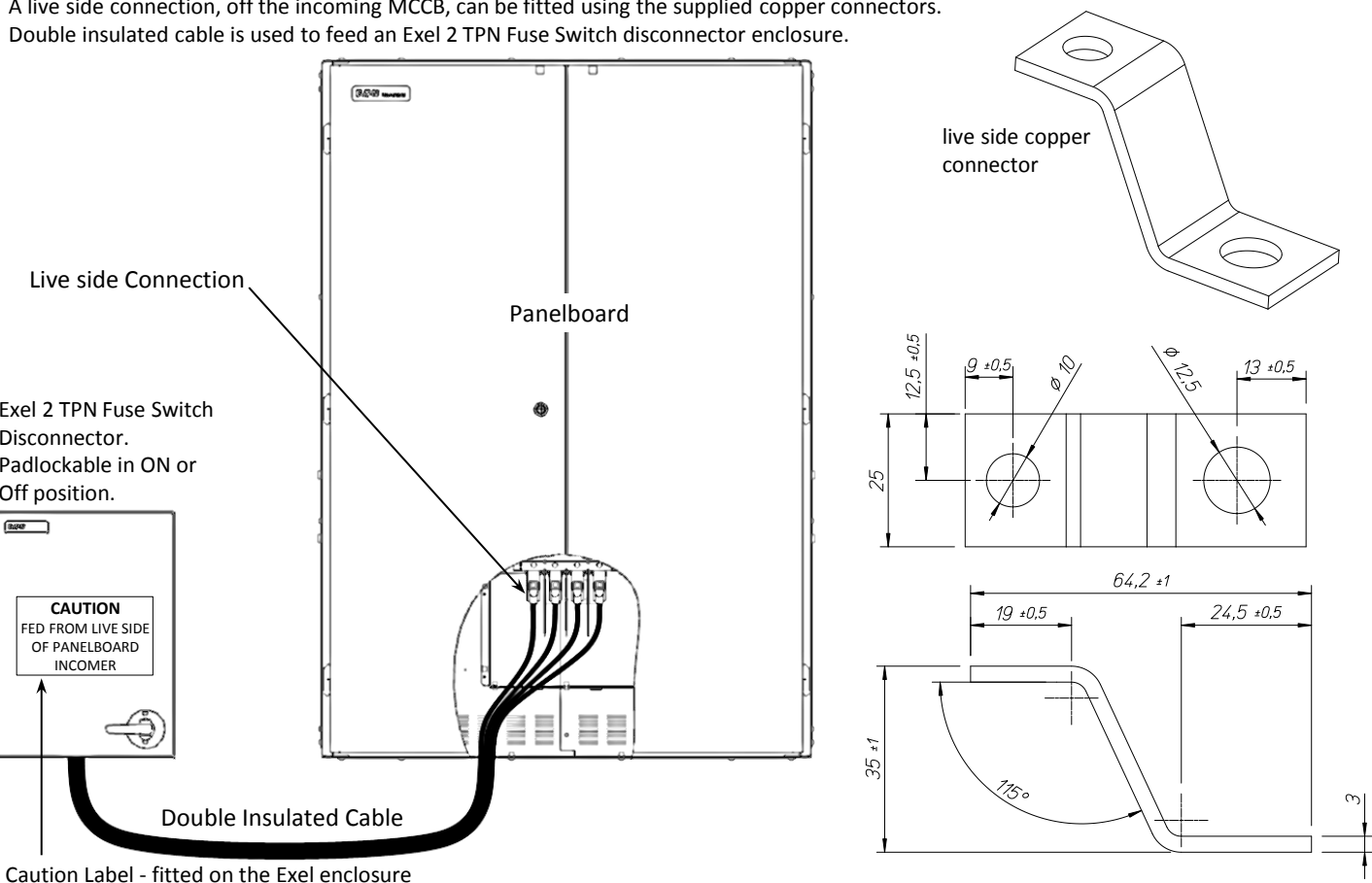
### Items required for Live Side Connection

Double Insulated Cable – length and rating as required	4 Qty	– To feed the Exel 2	
M8 Cable Lugs - rating as required	4 Qty	– To connect the live side connector	
Cable Ferrule - rating as required	4 Qty	– To connect the cable to the Exel 2.	
Exel 2 – TPN Fuse Switch Disconnecter – Rating as required	1 Qty	– Eaton list numbers	20A TPN - 15KXTNC2F 32A TPN - 30KXTNC2F 63A TPN - 60KXTNC2F 100A TPN - 100KXTNC2F 125A TPN - 125KXTNC2F

M12 Incomer Cable lugs – See Incomer type for Lugs required (Page 2).

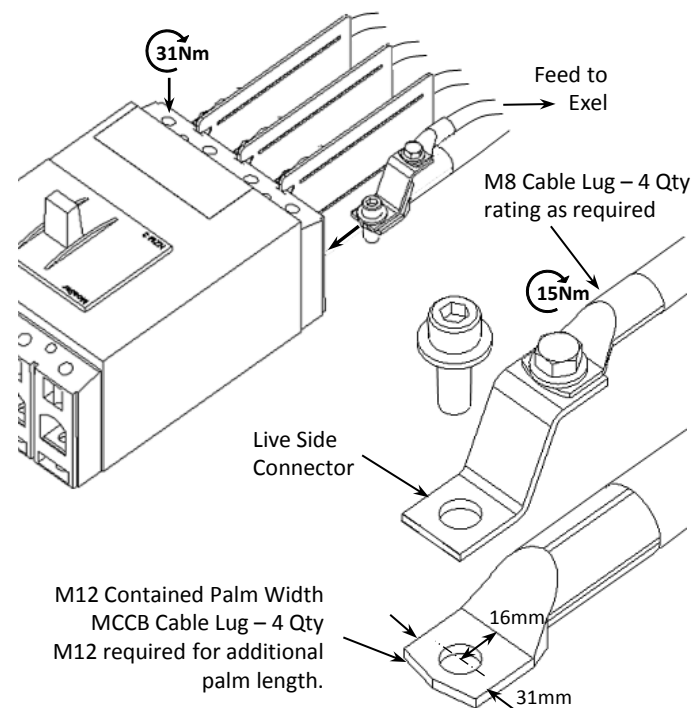
### LIVE SIDE CONNECTION - GENERAL ARRANGEMENT - UP TO 125A

A live side connection, off the incoming MCCB, can be fitted using the supplied copper connectors. Double insulated cable is used to feed an Exel 2 TPN Fuse Switch disconnector enclosure.



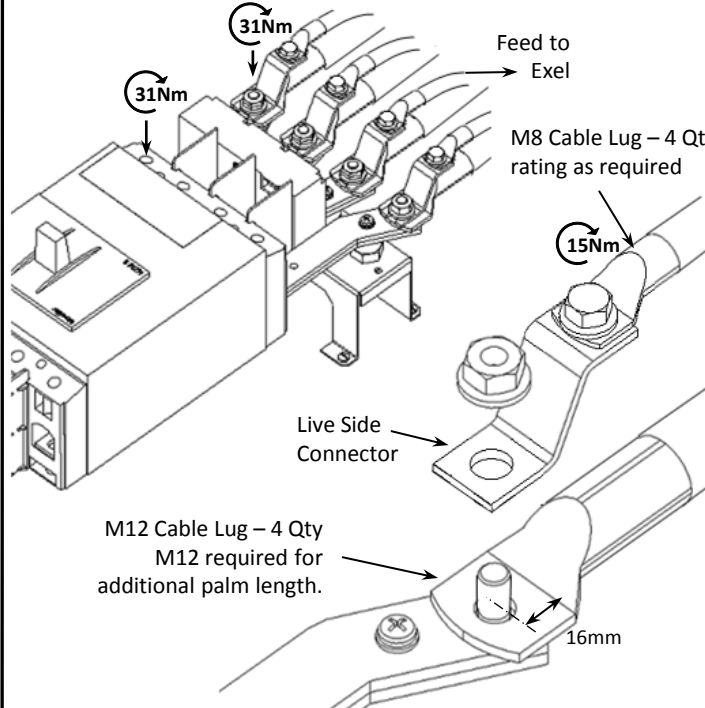
**400A INCOMER KIT - EM4PBK404**

Fit the 'Live Side Connectors' on top of the incoming M12 cable lugs and screw down onto the MCCB terminal. Connect the Exel double insulated feed cables to the 'Live side connectors' using M8 cable lugs.



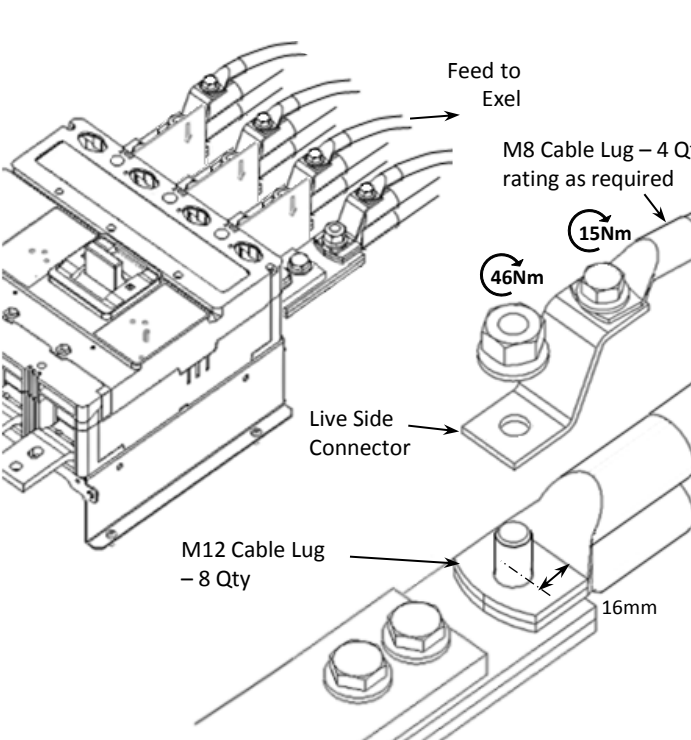
**400A INCOMER METER KIT - EM4PBK404M**

Fit the 'Live Side Connectors' on top of the incoming M12 cable lugs and screw down onto the CT extension palms. Connect the Exel double insulated feed cables to the 'Live side connectors' using M8 cable lugs.



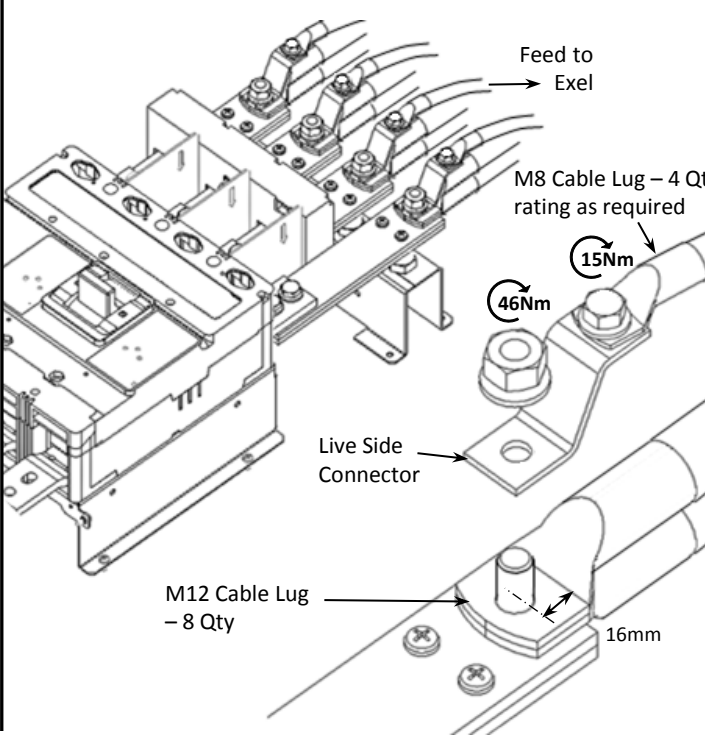
**800A INCOMER KIT - EM4PBK804**

Fit the 'Live Side Connectors' on top of the incoming M12 cable lugs and screw down onto the extension palms. Connect the Exel double insulated feed cables to the 'Live side connectors' using M8 cable lugs.



**800A INCOMER METER KIT - EM4PBK804M**

Fit the 'Live Side Connectors' on top of the incoming M12 cable lugs and screw down onto the CT extension palms. Connect the Exel double insulated feed cables to the 'Live side connectors' using M8 cable lugs.



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The use to which this product is put and its place of installation is outside our control. Particular care should therefore be taken to follow the instructions given here and to ensure their continued availability in conjunction with the use of the product.  
 No responsibility can be accepted by us if these instructions are disregarded. Further copies of these instructions and information concerning the installation and proper use of this product can be obtained by contacting the: Technical Services Department  
 Eaton Electric Limited, Middleton, Manchester, M24 1GQ.  
 Tel: +44(0)8700 545 333,  
 email: techsupportemea@eaton.com

