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 Distribution Boards are designed for use with Eaton AFDDs only. Failure to comply will result in invalid warranty and certification.

300957 – EBMAFDD14 - 14 Way DB
300958 – EBMAFDD24 - 24 Way DB
300959 – EBMAFDD36 - 36 Way DB

Before fitting the AFDD to the busbar ensure the terminals are fully open. Locate the AFDD square to the busbar and tighten the terminals.

This board is intended to be used with Eaton AFDD devices up to 40A

Important:
Orientate clip next to busbar stack

Clip fit

2.4Nm

All unused ways must be covered with a blanking module, assembled and fitted in gangs of 3.

Incoming Switch position

Optional SPD position

General note: Tightening torque for M5 thread forming screws is 3.8Nm

Fitting Optional Door Lock EMDL & EMPL

Insert Lock into hole tighten back nut

Remove plastic knob
Fitting Incoming Switch
EMS1253 & EMS1253N

Before fitting the switch ensure the terminals are fully open. Locate the switch onto the stabs ensuring the din rail clip is hooked over the mounting bracket. Tighten the terminals to 2.4Nm.

Inner cover Cutaway for 4P Incomer

When a 4 pole incomer is fitted the cutaway on the inner cover needs to be removed.

Fitting Neutral Link assy- 300960

Slide the neutral assembly into position with the mounting bracket hook engaged in the incomer mount. Bolt the neutral copper connection to the busbar with the M5 x 12 fixing to 4.5Nm.

Single Phasing Kit - 300969

Position the two comb busbars back to back and fit in the L1/L2/L3 fork terminals of the switch on the incoming side.
Surge Supression Device  - 300961 type 1 and 300962 type 1&2

Before Installation: Verify that the system is wired in a Three Phase Star configuration and that the voltage rating of the system matches the voltage rating of the SPD as shown on the label.

If the Neutral to Earth voltage is greater than 5 VAC, then a problem may exist in the electrical system. The SPD may be installed; however, a qualified person should be consulted to correct the problem.

Installation Instructions:
• Fit SPD mounting bracket assembly to the back plate in the position shown
• Fit 63A 4P MCB onto the stabs with the back end hooked on the din rail whilst fitting the SPD device on the din rail next to it. Tighten the MCB terminals to 2.4Nm
• Connect the EARTH wire to the nearest bolt on common earth.

Energise the System. The indicator should remain green. If the indicator turns RED, de-energise and contact the Technical Services department.

Alignment Spacer- 300966
In some arrangements, when the distribution board is used in a cluster, a 20mm spacer is required to allow the bottom and top of the boards to be flush.

Fit the spacer to the top or bottom of the board and fix with M5 screws. The removed Distribution board gland plate can be refitted to the spacer if required.

Separation Shield - 300965
A separation shield is required when boards are mounted on top of each other and a barrier is required between them.

Position the separation shield inside the board and fix with M5 screws provided.

<table>
<thead>
<tr>
<th>250 Extension box</th>
<th>14 way board</th>
<th>36 way board</th>
<th>24 way board</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>H630 x W440 x D130 mm</td>
<td>H1260 x W440 x D130 mm</td>
<td>H900 x W440 x D130 mm</td>
</tr>
</tbody>
</table>
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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.