

## 24 way TPN, type B (high-load) distribution board 250A



Part no. EBM242H EBM242H

| Product name               | Eaton Memshield 3 MCB Distribution Board LV systems Final Distribution Boards             |
|----------------------------|-------------------------------------------------------------------------------------------|
| Part no.                   | EBM242H                                                                                   |
| EAN                        | 5019586158574                                                                             |
| Product Length/Depth       | 130 millimetre                                                                            |
| Product height             | 1501 millimetre                                                                           |
| Product width              | 440 millimetre                                                                            |
| Product weight             | 30 kilogram                                                                               |
| Compliances                | RoHS conform                                                                              |
| Certifications             | CE                                                                                        |
| Public Consumption         | Yes                                                                                       |
| Product Family Description | ES-PMCC-PDC-Eaton Memshield 3 MCB Distribution Board LV systems Final Distribution Boards |
| Globally Marketable        | No                                                                                        |
| Countries                  | United Kingdom of Great Britain and Northern Ireland                                      |

## **Technical data ETIM 8.0**

Distribution boards (EG000023) / Small distribution board (EC000214)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (ecl@ss10.0.1-27-14-24-09 [ACN387011])

| Number of rows                   2           Width in number of modular spacings         5           Type of cover                   10 bor           Cover model                   10 bor           Transparent cover/door                   10 bor           Meterial housing                   10 bor           Height         mm         1,501           Width         mm         130           Bull-in depth         mm         1,501           Bull-in height         no         1,501 <th>(eci@ss10.0.1-27-14-24-09 [AGN387011])</th> <th></th> <th></th>                                        | (eci@ss10.0.1-27-14-24-09 [AGN387011]) |    |                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|----|---------------------------|
| With in number of modular spacings         F         500           Type of cover         Closed           Cover model         Closed           Transparent cover/door         No           Material housing         Steel           Height         mn         1,501           With         mm         30           Depth         mm         30           Built-in depth         mm         1,501           Built-in height         mm         1,501           Built-in width         mm         1,501           Internal depth         mm         1,501           Built-in width         mm         1,501           Internal depth         mm         1,501           Internal depth         mn         1,501           No         1,501           Internal depth         mn         1,501           Built-in width         mn         1,501           With mounting plate         mn         1,501           Extension possible         mn         1,501           Extension possible         mn         1,501           Extension possible         mn         1,502           Extension possible         mn         1,50                                                                                                      | Mounting method                        |    | Surface mounted (plaster) |
| Type of cover         Door           Cover model         Closed           Transparent cover/door         Mo           Material housing         Steel           Height         mm         1,501           Width         mm         440           Depth         mm         130           Bull-in depth         mm         1,501           Bull-in height         mm         1,501           Bull-in width         mm         1,501           Bull-in width         mm         1,501           Internal depth         mm         1,001           Neutral terminal block         mm         100           Neutral terminal block         No         No           With mouning plate         No         No           Extension possible         No         No           Extension possible         No         No           EMC-version         Po         No           Colour         Po         No           RAL-number         Po         No           Degree of protection (IP)         IP40           With lock         No           Type of closure         No         No                                                                                                                                                       | Number of rows                         |    | 2                         |
| Cover model         Closed           Transparent cover/door         Material housing         Steel           Meterial housing         mm         1,501           Width         mm         440           Width         mm         130           Built-in depth         mm         1,501           Built-in height         mm         1,501           Built-in width         mm         4,40           Internal depth         mm         4,00           Built-in width         mm         1,501           Burrenal depth         mm         1,001           Barthing terminal block         mm         1,00           Neutral terminal block         mm         1,00           With mounting plate         mo         No           Extension possible         mo         No           Extension possible         mo         No           EMC-version         mo         No           Colour         prod         Fee           RAL-number         prod         Fee           Degree of protection (IP)         prod         Prod           With lock         prod         Dreg           With lock         prod         Dreg                                                                                                      | Width in number of modular spacings    |    | 75                        |
| Transparent cover/door         Keel           Material housing         totel           Height         mm         1,501           Width         mm         44           Depth         mm         30           Built-in depth         mm         1,501           Built-in height         mm         4,001           Built-in width         mm         4,001           Internal depth         mm         100           Earthing terminal block         mm         100           Neutral terminal block         mm         100           With mounting plate         No         No           Extension possible         No         No           EMC-version         No         No           Colour         No         No           RAL-number         No         No           Degree of protection (IP)         No         Personance           With lock         No         Personance         Personance <td>Type of cover</td> <td></td> <td>Door</td> | Type of cover                          |    | Door                      |
| Material housing         Steel           Height         mm         1,501           Width         d40           Depth         mm         130           Built-in depth         mm         1,501           Built-in height         mm         4,001           Built-in width         mm         4,001           Internal depth         mm         400           Earthing terminal block         mm         100           Neutral terminal block         mm         No           With mounting plate         mo         No           Extension possible         mo         No           Extension possible         mo         No           EMC-version         mo         No           Colour         mo         To           RAL-number         mo         To           Degree of protection (IP)         IP40           With lock         IP40           With lock         IP40           Type of closure         IP40           With lock         IP4                                                                                                                                        | Cover model                            |    | Closed                    |
| Height         mm         1,501           Width         d40           Depth         mm         130           Built-in depth         mm         1,501           Built-in height         mm         40           Built-in width         mm         1,501           Internal depth         mm         100           Earthing terminal block         mm         100           Neutral terminal block         No         No           With mounting plate         No         No           Extension possible         No         No           EMC-version         No         No           Colour         Frey         No           RAL-number         7,004         No           Degree of protection (IP)         P40           With lock         No         Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Transparent cover/door                 |    | No                        |
| Width         mm         440           Depth         mm         130           Built-in depth         mm         1,501           Built-in width         mm         440           Built-in width         mm         100           Built-in width         mm         100           Built-in width         mm         40           Built-in width         mm         400           No         Mo           Extension possible         mm         No           EMC-version         mm         No           Colour         Grey           RAL-number         Mm         400           Degree of protection (IP)         Mm         400           With lock         Mm         400           Type of closure         Mm         400                                                                                                                                                    | Material housing                       |    | Steel                     |
| Depth         mm         130           Built-in depth         mm         130           Built-in height         mm         1,501           Built-in width         mm         440           Internal depth         mm         100           Earthing terminal block         No         No           Neutral terminal block         No         No           With mounting plate         No         No           Extension possible         No         No           EMC-version         No         No           Colour         Grey         No           RAL-number         7,004         Feed of protection (IP)         IP40           With lock         No         Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Height                                 | mm | 1,501                     |
| Built-in depth         mm         330           Built-in height         mm         1,501           Built-in width         mm         440           Internal depth         mm         100           Earthing terminal block         No         No           Neutral terminal block         No         No           DIN-rail         No         No           Extension possible         No         No           Extension possible         No         No           EMC-version         No         Grey           RAL-number         Grey         No           Degree of protection (IP)         IP40           With lock         No         No           Type of closure         Other         Determined block                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Width                                  | mm | 440                       |
| Built-in height         mm         1,501           Built-in width         440           Internal depth         mm         100           Earthing terminal block         No           Neutral terminal block         No           DIN-rail         No           With mounting plate         No           Extension possible         No           EMC-version         No           Colour         Grey           RAL-number         7,004           Degree of protection (IP)         IP40           With lock         No           Type of closure         Cher                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Depth                                  | mm | 130                       |
| Built-in width         mm         440           Internal depth         mm         100           Earthing terminal block         No           Neutral terminal block         No           DIN-rail         No           With mounting plate         No           Extension possible         No           Extension possible         No           Colour         No           RAL-number         Fore           RAL-number         7,004           Degree of protection (IP)         IP40           With lock         No           Type of closure         Volent                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Built-in depth                         | mm | 130                       |
| Internal depth Earthing terminal block Neutral terminal block No DIN-rail With mounting plate Extension possible Extension possible EMC-version Colour RAL-number RAL-number Degree of protection (IP) With lock Type of closure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Built-in height                        | mm | 1,501                     |
| Earthing terminal block Neutral terminal block No DIN-rail No With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) With lock Type of closure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Built-in width                         | mm | 440                       |
| Neutral terminal block DIN-rail With mounting plate Extension possible EMC-version Colour RAL-number RAL-number Degree of protection (IP) With lock Type of closure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Internal depth                         | mm | 100                       |
| DIN-rail  With mounting plate Extension possible EMC-version Colour RAL-number RAL-number Operee of protection (IP)  With lock Type of closure  No  No  No  Rol Rol Rol Rol Rol Rol Rol Rol Rol R                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Earthing terminal block                |    | No                        |
| With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) With lock Type of closure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Neutral terminal block                 |    | No                        |
| Extension possible  EMC-version  Colour  RAL-number  Degree of protection (IP)  With lock  Type of closure  No  No  Roch  Grey  1,004  1P40  No  Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | DIN-rail                               |    | No                        |
| EMC-version         No           Colour         Grey           RAL-number         7,004           Degree of protection (IP)         IP40           With lock         No           Type of closure         Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | With mounting plate                    |    | No                        |
| Colour         Grey           RAL-number         7,004           Degree of protection (IP)         IP40           With lock         No           Type of closure         Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Extension possible                     |    | No                        |
| RAL-number         7,004           Degree of protection (IP)         IP40           With lock         No           Type of closure         Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | EMC-version                            |    | No                        |
| Degree of protection (IP)  With lock  Type of closure  Degree of protection (IP)  IP40  No  Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Colour                                 |    | Grey                      |
| With lock No Type of closure Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | RAL-number                             |    | 7,004                     |
| Type of closure Other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Degree of protection (IP)              |    | IP40                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | With lock                              |    | No                        |
| Signal passing door No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Type of closure                        |    | Other                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Signal passing door                    |    | No                        |