



**Surface-mounted installation distribution board without door, IP55,  
HxWxD=1260x600x270mm**

**Part no. BPM-O-600/12-F**  
**Catalog No. 174360**

**EL-Nummer 0002455721**  
**(Norway)**

## Delivery program

|                      |  |    |                       |
|----------------------|--|----|-----------------------|
| Mounting type        |  |    | Surface mounted       |
| Features             |  |    | without door          |
| Material             |  |    | Sheet steel           |
| Installation site    |  |    | Moisture-proof        |
| Degree of Protection |  |    | IP55                  |
| Surface finish       |  |    | With powder coating   |
| Width                |  | mm | 600                   |
| Depth                |  | mm | 270                   |
| Height               |  | mm | 1260                  |
| Colour               |  |    | light gray (RAL 7035) |

## Design verification as per IEC/EN 61439

|                                                                                                                               |                |   |                                                     |
|-------------------------------------------------------------------------------------------------------------------------------|----------------|---|-----------------------------------------------------|
| Technical data for design verification                                                                                        |                |   |                                                     |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890 |                |   |                                                     |
| Individual enclosure for wall mounting                                                                                        | P <sub>V</sub> | W | 82                                                  |
| Starting enclosure for wall mounting                                                                                          | P <sub>V</sub> | W | 76                                                  |
| Middle enclosure for wall mounting                                                                                            | P <sub>V</sub> | W | 72                                                  |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 |                |   |                                                     |
| Individual enclosure for wall mounting                                                                                        | P <sub>V</sub> | W | 165                                                 |
| Starting enclosure for wall mounting                                                                                          | P <sub>V</sub> | W | 153                                                 |
| Middle enclosure for wall mounting                                                                                            | P <sub>V</sub> | W | 145                                                 |
| IEC/EN 61439 design verification                                                                                              |                |   |                                                     |
| 10.2 Strength of materials and parts                                                                                          |                |   |                                                     |
| 10.2.2 Corrosion resistance                                                                                                   |                |   | Meets the product standard's requirements.          |
| 10.2.3.1 Verification of thermal stability of enclosures                                                                      |                |   | Meets the product standard's requirements.          |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat                                                    |                |   | Meets the product standard's requirements.          |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects        |                |   | Meets the product standard's requirements.          |
| 10.2.4 Resistance to ultra-violet (UV) radiation                                                                              |                |   | Not relevant to indoor installations.               |
| 10.2.5 Lifting                                                                                                                |                |   | Does not apply to enclosures without lifting aids.  |
| 10.2.6 Mechanical impact                                                                                                      |                |   | IK10                                                |
| 10.2.7 Inscriptions                                                                                                           |                |   | Meets the product standard's requirements.          |
| 10.3 Degree of protection of ASSEMBLIES                                                                                       |                |   | IP55                                                |
| 10.4 Clearances and creepage distances                                                                                        |                |   | Is the panel builder's responsibility.              |
| 10.5 Protection against electric shock                                                                                        |                |   | < 0.1 Ω; meets the product standard's requirements. |
| 10.6 Incorporation of switching devices and components                                                                        |                |   | Is the panel builder's responsibility.              |
| 10.7 Internal electrical circuits and connections                                                                             |                |   | Is the panel builder's responsibility.              |
| 10.8 Connections for external conductors                                                                                      |                |   | Is the panel builder's responsibility.              |
| 10.9 Insulation properties                                                                                                    |                |   |                                                     |

|                                                          |  |  |                                                                                                                                  |
|----------------------------------------------------------|--|--|----------------------------------------------------------------------------------------------------------------------------------|
| 10.9.2 Power-frequency electric strength                 |  |  | U <sub>i</sub> = 440 V AC                                                                                                        |
| 10.9.3 Impulse withstand voltage                         |  |  | 4 kV                                                                                                                             |
| 10.9.4 Testing of enclosures made of insulating material |  |  | Does not apply to metal enclosures.                                                                                              |
| 10.10 Temperature rise                                   |  |  | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| 10.11 Short-circuit rating                               |  |  | Is the panel builder's responsibility.                                                                                           |
| 10.12 Electromagnetic compatibility                      |  |  | Is the panel builder's responsibility.                                                                                           |
| 10.13 Mechanical function                                |  |  | Meets the product standard's requirements.                                                                                       |

## Technical data ETIM 7.0

|                                                                                                                                                                                                                                     |  |    |                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|---------------------------|
| 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 (ecI@ss10.0.1-27-14-24-09 [ACN387011]) |  |    |                           |
| Mounting method                                                                                                                                                                                                                     |  |    | Surface mounted (plaster) |
| Number of rows                                                                                                                                                                                                                      |  |    | 9                         |
| Width in number of modular spacings                                                                                                                                                                                                 |  |    | 24                        |
| Type of cover                                                                                                                                                                                                                       |  |    | Door                      |
| Cover model                                                                                                                                                                                                                         |  |    | Closed                    |
| Transparent cover/door                                                                                                                                                                                                              |  |    | No                        |
| Material housing                                                                                                                                                                                                                    |  |    | Steel                     |
| Height                                                                                                                                                                                                                              |  | mm | 1260                      |
| Width                                                                                                                                                                                                                               |  | mm | 600                       |
| Depth                                                                                                                                                                                                                               |  | mm | 270                       |
| Built-in depth                                                                                                                                                                                                                      |  | mm | 0                         |
| Internal depth                                                                                                                                                                                                                      |  | mm | 265                       |
| DIN-rail                                                                                                                                                                                                                            |  |    | No                        |
| With mounting plate                                                                                                                                                                                                                 |  |    | No                        |
| Extension possible                                                                                                                                                                                                                  |  |    | Yes                       |
| EMC-version                                                                                                                                                                                                                         |  |    | No                        |
| Colour                                                                                                                                                                                                                              |  |    | Grey                      |
| RAL-number                                                                                                                                                                                                                          |  |    | 7035                      |
| Degree of protection (IP)                                                                                                                                                                                                           |  |    | IP55                      |
| With lock                                                                                                                                                                                                                           |  |    | No                        |
| Type of closure                                                                                                                                                                                                                     |  |    | Other                     |