



**Surface-mount service distribution board with three-point turn-lock, fire-resistant, W 800 mm H 1060 mm**

**Part no. BP-O-800/10-EW**  
**Catalog No. 116626**

**EL-Nummer 0002460479**  
**(Norway)**

**Delivery program**

|                      |  |    |                           |
|----------------------|--|----|---------------------------|
| Mounting type        |  |    | Surface mounted           |
| Material             |  |    | Sheet steel               |
| Door interlock       |  |    | Three-point turn-lock     |
| Installation site    |  |    | Indoor                    |
| Degree of Protection |  |    | IP30                      |
| Fire resistance      |  |    | fire-resistant (E60/EW60) |
| Surface finish       |  |    | With powder coating       |
| Width                |  | mm | 800                       |
| Depth                |  | mm | 262                       |
| Height               |  | mm | 1060                      |
| 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> | CO | 95  |
| Starting enclosure for wall mounting  | P <sub>V</sub> | CO | 90  |
| Middle enclosure for wall mounting  | P <sub>V</sub> | CO | 86  |
| 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> | CO | 191   |
| Starting enclosure for wall mounting  | P <sub>V</sub> | CO | 181   |
| Middle enclosure for wall mounting  | P <sub>V</sub> | CO | 173   |
| 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  |                |    | IK07  |
| 10.2.7 Inscriptions   |                |    | Meets the product standard's requirements.          |
| 10.3 Degree of protection of ASSEMBLIES   |                |    | IP30  |
| 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 (ec1@ss10.0.1-27-14-24-09 [ACN387011]) |  |    |                           |
| Mounting method   |  |    | Surface mounted (plaster) |
| Number of rows  |  |    | 7                         |
| Width in number of modular spacings   |  |    | 35                        |
| Type of cover   |  |    | Door                      |
| Cover model   |  |    | Closed                    |
| Transparent cover/door  |  |    | No                        |
| Material housing  |  |    | Steel                     |
| Height  |  | mm | 1060                      |
| Width   |  | mm | 800                       |
| Depth   |  | mm | 262.5                     |
| Built-in depth  |  | mm | 0                         |
| Internal depth  |  | mm | 257.5                     |
| DIN-rail  |  |    | No                        |
| With mounting plate   |  |    | No                        |
| Extension possible  |  |    | Yes                       |
| EMC-version   |  |    | No                        |
| Colour  |  |    | Grey                      |
| RAL-number  |  |    | 7035                      |
| Degree of protection (IP)   |  |    | IP30                      |
| With lock   |  |    | No                        |
| Type of closure   |  |    | Other                     |