

**Surface-mount service distribution board with three-point turn-lock,  
including DIN rails, front plate with 45-mm cutout; W = 800 mm, H = 1060  
mm white**

**Part no.** **BP-O-800/10-C-W**  
**105539**  
**EL Number** **2459317**  
**(Norway)**

|                                                                                  |  |                                                           |
|----------------------------------------------------------------------------------|--|-----------------------------------------------------------|
| <b>General specifications</b>                                                    |  |                                                           |
| Product name                                                                     |  | Eaton xEnergy Basic small distribution board              |
| Part no.                                                                         |  | BP-O-800/10-C-W                                           |
| EAN                                                                              |  | 4015081053162                                             |
| Product Length/Depth                                                             |  | 280 millimetre                                            |
| Product height                                                                   |  | 1075 millimetre                                           |
| Product width                                                                    |  | 815 millimetre                                            |
| Product weight                                                                   |  | 35.5 kilogram                                             |
| Compliances                                                                      |  | RoHS conform                                              |
| Product Tradename                                                                |  | xEnergy Basic                                             |
| Product Type                                                                     |  | Small distribution board                                  |
| Product Sub Type                                                                 |  | None                                                      |
| <b>Delivery program</b>                                                          |  |                                                           |
| Type                                                                             |  | Basic device                                              |
| Application                                                                      |  | Indoor (installation site)                                |
| Color                                                                            |  | Traffic white (RAL 9016)<br>White                         |
| <b>Technical Data - Mechanical</b>                                               |  |                                                           |
| Closure type                                                                     |  | Other                                                     |
| Surface finishing                                                                |  | With powder coating                                       |
| Enclosure material                                                               |  | Steel                                                     |
| Width in number of modular spacings                                              |  | 35                                                        |
| Mounting method                                                                  |  | DIN-rail<br>Surface mounting<br>Surface mounted (plaster) |
| Material                                                                         |  | Sheet steel                                               |
| Degree of protection                                                             |  | IP30                                                      |
| Number of rows                                                                   |  | 6                                                         |
| Built-in depth                                                                   |  | 280 mm                                                    |
| Built-in height                                                                  |  | 1075 mm                                                   |
| Built-in width                                                                   |  | 815 mm                                                    |
| Internal depth                                                                   |  | 257.5 mm                                                  |
| Cover/door model                                                                 |  | Closed                                                    |
| Cover/door type                                                                  |  | Three-point turn-lock<br>Door<br>Single                   |
| <b>Temperature-rise verification as per IEC 60890</b>                            |  |                                                           |
| Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)    |  | 86 W                                                      |
| Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)    |  | 173 W                                                     |
| Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890)  |  | 95 W                                                      |
| Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890)  |  | 90 W                                                      |
| Heat diss. ambient 35°C delta T: 35°C wall mount individ. encl. top (IEC 60890)  |  | 191 W                                                     |
| Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890)  |  | 181 W                                                     |
| <b>Design verification as per IEC/EN 61439</b>                                   |  |                                                           |
| 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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.                                                                                           |
| 10.9.2 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.                                                                                       |
| <b>Additional information</b>                            |  |  |                                                                                                                                  |
| Features                                                 |  |  | EMC-version                                                                                                                      |
| Functions                                                |  |  | Basic device<br>Extension possible                                                                                               |
| RAL-number                                               |  |  | 9016                                                                                                                             |
| Special features                                         |  |  | With DIN-rail Frontplate with 45mm cut-out                                                                                       |

## 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 (ecI@ss10.0.1-27-14-24-09 [ACN387011]) |  |    |                           |
| Mounting method                                                                                                                                                                                                                     |  |    | Surface mounted (plaster) |
| Number of rows                                                                                                                                                                                                                      |  |    | 6                         |
| Width in number of modular spacings                                                                                                                                                                                                 |  |    | 35                        |
| Type of cover                                                                                                                                                                                                                       |  |    | Door                      |
| Cover model                                                                                                                                                                                                                         |  |    | Closed                    |
| Transparent cover/door                                                                                                                                                                                                              |  |    | No                        |
| Material housing                                                                                                                                                                                                                    |  |    | Steel                     |
| Height                                                                                                                                                                                                                              |  | mm | 1075                      |
| Width                                                                                                                                                                                                                               |  | mm | 815                       |
| Depth                                                                                                                                                                                                                               |  | mm | 280                       |
| Built-in depth                                                                                                                                                                                                                      |  | mm | 280                       |
| Built-in height                                                                                                                                                                                                                     |  | mm | 1075                      |
| Built-in width                                                                                                                                                                                                                      |  | mm | 815                       |
| Internal depth                                                                                                                                                                                                                      |  | mm | 257.5                     |
| Earthing terminal block                                                                                                                                                                                                             |  |    | No                        |
| Neutral terminal block                                                                                                                                                                                                              |  |    | No                        |
| DIN-rail                                                                                                                                                                                                                            |  |    | Yes                       |
| With mounting plate                                                                                                                                                                                                                 |  |    | No                        |
| Extension possible                                                                                                                                                                                                                  |  |    | Yes                       |
| EMC-version                                                                                                                                                                                                                         |  |    | Yes                       |
| Colour                                                                                                                                                                                                                              |  |    | White                     |
| RAL-number                                                                                                                                                                                                                          |  |    | 9016                      |
| Degree of protection (IP)                                                                                                                                                                                                           |  |    | IP30                      |
| With lock                                                                                                                                                                                                                           |  |    | No                        |
| Type of closure                                                                                                                                                                                                                     |  |    | Other                     |
| Signal passing door                                                                                                                                                                                                                 |  |    | No                        |

