



**Surface-mount service distribution board with three-point turn-lock,  
mounting side panel, W = 800 mm, H = 1560 mm**

**Part no. BP-0-800/15-MSW**

**149160**

**EL Number  
(Norway)**

**2455337**

### General specifications

|                      |  |
|----------------------|--|
| Product name         | Eaton xEnergy Basic small distribution board |
| Part no.             | BP-0-800/15-MSW                              |
| EAN                  | 4015081455065                                |
| Product Length/Depth | 280 millimetre                               |
| Product height       | 1575 millimetre                              |
| Product width        | 815 millimetre                               |
| Product weight       | 41.4 kilogram                                |
| Compliances          | RoHS conform                                 |
| Product Tradename    | xEnergy Basic                                |
| Product Type         | Small distribution board                     |
| Product Sub Type     | None   |

### Delivery program

|             |   |
|-------------|---|
| Type        | Basic device                                  |
| Application | Indoor (installation site) Mounting side wall |
| Color       | Light gray (RAL 7035)<br>Gray                 |

### Technical Data - Mechanical

|                                     |   |
|-------------------------------------|---|
| Closure type                        | Other   |
| Surface finishing                   | With powder coating                           |
| Enclosure material                  | Steel   |
| Width in number of modular spacings | 35  |
| Mounting method                     | Surface mounting<br>Surface mounted (plaster) |
| Material                            | Sheet steel                                   |
| Degree of protection                | IP30  |
| Number of rows                      | 9   |
| Built-in depth                      | 280 mm  |
| Built-in height                     | 1575 mm                                       |
| Built-in width                      | 815 mm  |
| Internal depth                      | 257.5 mm                                      |
| Cover/door model                    | Closed  |
| Cover/door type                     | Door<br>Three-point turn-lock<br>Single       |

### Temperature-rise verification as per IEC 60890

|   |       |
|---|-------|
| Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)   | 128 W |
| Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)   | 256 W |
| Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890) | 139 W |
| Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890) | 132 W |
| Heat diss. ambient 35°C delta T: 35°C wall mount individ. encl. top (IEC 60890) | 278 W |
| Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890) | 265 W |

### Design verification as per IEC/EN 61439

|  |  |
|--|--|
| 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   |  |  | 7035   |

## Technical data ETIM 9.0

|   |  |    |                 |
|---|--|----|-----------------|
| Distribution boards (EG000023) / Small distribution board (EC000214)  |  |    |                 |
| Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Small distribution board (ecI@ss13-27-14-24-09 [ACN387016]) |  |    |                 |
| Mounting method   |  |    | Surface mounted |
| Number of rows  |  |    | 9               |
| Width in number of modular spacings   |  |    | 35              |
| Type of covering  |  |    | Door            |
| Cover model   |  |    | Closed          |
| Type of door  |  |    | Single          |
| Transparent cover/door  |  |    | No              |
| Signal passing door   |  |    | No              |
| With lock   |  |    | No              |
| Type of closure   |  |    | Other           |
| Housing material  |  |    | Steel           |
| Built-in depth  |  | mm | 280             |
| Built-in height   |  | mm | 1575            |
| Built-in width  |  | mm | 815             |
| Inner depth   |  | mm | 257.5           |
| Earthing terminal block   |  |    | No              |
| Neutral terminal block  |  |    | No              |
| DIN-rail  |  |    | No              |
| With mounting plate   |  |    | No              |
| Extension possible  |  |    | Yes             |
| EMC-version   |  |    | Yes             |
| UV resistant  |  |    | No              |
| Colour  |  |    | Grey            |
| RAL-number  |  |    | 7035            |
| Degree of protection (IP)   |  |    | IP30            |
| Height  |  | mm | 1575            |
| Width   |  | mm | 815             |
| Depth   |  | mm | 280             |

