

Surface-mount installation distribution board with rotary lever, IP55,  
HxWxD=1560x800x270mm



**Part no.** BPM-O-800/15-P

**116667**

**EL Number  
(Norway)**

**2460520**

| General specifications   |  |   |
|--|--|---|
| Product name   |  | Eaton xEnergy Basic small distribution board  |
| Part no.   |  | BPM-O-800/15-P                                |
| EAN  |  | 4015081164127                                 |
| Product Length/Depth   |  | 300 millimetre                                |
| Product height   |  | 1590 millimetre                               |
| Product width  |  | 830 millimetre                                |
| Product weight   |  | 47.8 kilogram                                 |
| Compliances  |  | RoHS conform                                  |
| Product Tradename  |  | xEnergy Basic                                 |
| Product Type   |  | Small distribution board                      |
| Product Sub Type   |  | None  |
| Delivery program   |  |   |
| Type   |  | Basic device                                  |
| Application  |  | Moisture-proof (installation site)            |
| 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 mounted (plaster)<br>Surface mounting |
| Material   |  | Sheet steel                                   |
| Degree of protection   |  | IP55  |
| Number of rows   |  | 9   |
| Built-in depth   |  | 300 mm  |
| Built-in height  |  | 1590 mm                                       |
| Built-in width   |  | 830 mm  |
| Internal depth   |  | 265 mm  |
| Cover/door model   |  | Closed  |
| Cover/door type  |  | Door<br>Rotary lever<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)    |  | 140 W   |
| Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)    |  | 280 W   |
| Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890)  |  | 158 W   |
| Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890)  |  | 147 W   |
| Heat diss. ambient 35°C delta T: 35°C wall mount individ. encl. top (IEC 60890)  |  | 316 W   |
| Heat diss. ambient 35°C delta T: 35°C wall mount starting encl. top (IEC 60890)  |  | 296 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                                 |  | 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.   |
| 10.9.2 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 (ec1@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 | 300             |
| Built-in height   | mm | 1590            |
| Built-in width  | mm | 830             |
| Inner depth   | mm | 265             |
| 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)   |    | IP55            |
| Height  | mm | 1590            |
| Width   | mm | 830             |
| Depth   | mm | 300             |

