



## Outdoor distribution board 800/10

**Part no.** BP-VF-800/10  
**Article no.** 125832

### Delivery program

|                      |  |    |                                   |
|----------------------|--|----|-----------------------------------|
| Mounting type        |  |    | Floor standing distribution board |
| Material             |  |    | Aluminium                         |
| Door interlock       |  |    | Rotary lever                      |
| Installation site    |  |    | Outdoor                           |
| Degree of Protection |  |    | IP43                              |
| Surface finish       |  |    | With powder coating               |
| Width                |  | mm | 800                               |
| Depth                |  | mm | 350                               |
| 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, calculated as per IEC 60890                  |                |    |                                                                                                                                  |
| Individual enclosure, flush mounting                                                                                   | P <sub>V</sub> | CO | 88                                                                                                                               |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890                  |                |    |                                                                                                                                  |
| Individual enclosure, flush mounting                                                                                   | P <sub>V</sub> | CO | 176                                                                                                                              |
| 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                                                                       |                |    | Meets the product standard's requirements.                                                                                       |
| 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                                                                                |                |    | IP43                                                                                                                             |
| 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 6.0

|                                     |  |    |                  |
|-------------------------------------|--|----|------------------|
| Mounting method                     |  |    | Surface mounting |
| Number of rows                      |  |    | 7                |
| Width in number of modular spacings |  |    | 35               |
| Type of cover                       |  |    | Door             |
| Cover model                         |  |    | Closed           |
| Transparent cover/door              |  |    | No               |
| Material housing                    |  |    | Aluminium        |
| Height                              |  | mm | 1060             |
| Width                               |  | mm | 800              |
| Depth                               |  | mm | 350              |
| Built-in depth                      |  | mm | 0                |
| Internal depth                      |  | mm | 320              |
| DIN-rail                            |  |    | Yes              |
| With mounting plate                 |  |    | No               |
| Extension possible                  |  |    | Yes              |
| EMC-version                         |  |    | Yes              |
| Colour                              |  |    | Grey             |
| RAL-number                          |  |    | 7035             |
| Degree of protection (IP)           |  |    | IP43             |
| With lock                           |  |    | No               |