



**Floor standing distribution board with three-point turn-lock, W = 800 mm, H = 2060 mm, D = 300 mm**

**Part no.** BP-F-800/20/3  
**Article no.** 102320

## Delivery program

|                      |  |    |                                   |
|----------------------|--|----|-----------------------------------|
| Mounting type        |  |    | Floor standing distribution board |
| Material             |  |    | Sheet steel                       |
| Door interlock       |  |    | Three-point turn-lock             |
| Installation site    |  |    | Indoor                            |
| Degree of Protection |  |    | IP30                              |
| Surface finish       |  |    | With powder coating               |
| Width                |  | mm | 800                               |
| Depth                |  | mm | 300                               |
| Height               |  | mm | 2060                              |
| 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, free-standing                                                                                    | P <sub>V</sub> | CO | 207                                                                          |
| Starting enclosure, free-standing                                                                                      | P <sub>V</sub> | CO | 201                                                                          |
| Middle enclosure, free-standing                                                                                        | P <sub>V</sub> | CO | 195                                                                          |
| Individual enclosure for wall mounting                                                                                 | P <sub>V</sub> | CO | 189                                                                          |
| Starting enclosure for wall mounting                                                                                   | P <sub>V</sub> | CO | 186                                                                          |
| Middle enclosure for wall mounting                                                                                     | P <sub>V</sub> | CO | 175                                                                          |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890                  |                |    |                                                                              |
| Individual enclosure, free-standing                                                                                    | P <sub>V</sub> | CO | 416                                                                          |
| Starting enclosure, free-standing                                                                                      | P <sub>V</sub> | CO | 403                                                                          |
| Middle enclosure, free-standing                                                                                        | P <sub>V</sub> | CO | 391                                                                          |
| Individual enclosure for wall mounting                                                                                 | P <sub>V</sub> | CO | 380                                                                          |
| Starting enclosure for wall mounting                                                                                   | P <sub>V</sub> | CO | 372                                                                          |
| Middle enclosure for wall mounting                                                                                     | P <sub>V</sub> | CO | 352                                                                          |
| 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                                                                                                         |                |    | Met; assembled and secured as per the latest applicable instruction leaflet. |
| 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 6.0

|                                                                                                                                                                                         |    |                     |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|---------------------|--|
| Cabinet enclosures (EG000011) / Enclosure/switchgear cabinet (empty) (EC000261)                                                                                                         |    |                     |  |
| Electric engineering, automation, process control engineering / Electrical cabinet, housing, rack / Electrical cabinet (empty) / Electrical cabinet (ecl@ss8.1-27-18-01-01 [AGZ056013]) |    |                     |  |
| Width                                                                                                                                                                                   | mm | 800                 |  |
| Height                                                                                                                                                                                  | mm | 2060                |  |
| Depth                                                                                                                                                                                   | mm | 300                 |  |
| Material                                                                                                                                                                                |    | Steel               |  |
| Type of surface                                                                                                                                                                         |    | With powder coating |  |
| Colour                                                                                                                                                                                  |    | Grey                |  |
| RAL-number                                                                                                                                                                              |    | 7035                |  |
| With mounting plate                                                                                                                                                                     |    | No                  |  |
| Mounting plate depth-adjustable                                                                                                                                                         |    | Yes                 |  |
| Number of locks                                                                                                                                                                         |    | 1                   |  |
| Floor installation possible                                                                                                                                                             |    | Yes                 |  |
| Wall fastening possible                                                                                                                                                                 |    | No                  |  |
| Wall build in                                                                                                                                                                           |    | No                  |  |
| Pole fastening                                                                                                                                                                          |    | No                  |  |
| Tackable                                                                                                                                                                                |    | Yes                 |  |
| Number of doors                                                                                                                                                                         |    | 1                   |  |
| Suitable for metrical mounting                                                                                                                                                          |    | Yes                 |  |
| Suitable for outdoor set-up                                                                                                                                                             |    | No                  |  |
| Pitched roof                                                                                                                                                                            |    | No                  |  |
| EMC-version                                                                                                                                                                             |    | Yes                 |  |
| Impact strength                                                                                                                                                                         |    | IK07                |  |
| Degree of protection (IP)                                                                                                                                                               |    | IP30                |  |
| With glazed door                                                                                                                                                                        |    | No                  |  |
| With ventilation door                                                                                                                                                                   |    | No                  |  |
| With backside door                                                                                                                                                                      |    | No                  |  |