

Floor standing distribution board with locking rotary lever, W = 400 mm, H = 2060 mm, D = 400 mm

Part no. BP-F-400/20/4-P  
Catalog No. 119192

EL-Nummer 2460724  
(Norway)

## Delivery program

|                      |  |    |                                   |
|----------------------|--|----|-----------------------------------|
| Mounting type        |  |    | Floor standing distribution board |
| Material             |  |    | Sheet steel                       |
| Door interlock       |  |    | Rotary lever                      |
| Installation site    |  |    | Indoor                            |
| Degree of Protection |  |    | IP30                              |
| Surface finish       |  |    | With powder coating               |
| Width                |  | mm | 400                               |
| Depth                |  | mm | 400                               |
| 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 in top of the enclosure, calculated as per IEC 60890 |                |   |                                                                              |
| Individual enclosure, free-standing                                                                                           | P <sub>V</sub> | W | 146                                                                          |
| Starting enclosure, free-standing                                                                                             | P <sub>V</sub> | W | 127                                                                          |
| Middle enclosure, free-standing                                                                                               | P <sub>V</sub> | W | 112                                                                          |
| Individual enclosure for wall mounting                                                                                        | P <sub>V</sub> | W | 128                                                                          |
| Starting enclosure for wall mounting                                                                                          | P <sub>V</sub> | W | 114                                                                          |
| Middle enclosure for wall mounting                                                                                            | P <sub>V</sub> | W | 97                                                                           |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 |                |   |                                                                              |
| Individual enclosure, free-standing                                                                                           | P <sub>V</sub> | W | 294                                                                          |
| Starting enclosure, free-standing                                                                                             | P <sub>V</sub> | W | 254                                                                          |
| Middle enclosure, free-standing                                                                                               | P <sub>V</sub> | W | 224                                                                          |
| Individual enclosure for wall mounting                                                                                        | P <sub>V</sub> | W | 258                                                                          |
| Starting enclosure for wall mounting                                                                                          | P <sub>V</sub> | W | 229                                                                          |
| Middle enclosure for wall mounting                                                                                            | P <sub>V</sub> | W | 194                                                                          |
| 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                 |  |  | $U_i = 440 \text{ V AC}$                                                                                                         |
| 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 8.0

|                                                                                                                                                                                            |    |  |                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--|----------------|
| Cabinet enclosures (EG000011) / Enclosure/cabinet (empty) (EC000261)                                                                                                                       |    |  |                |
| Electric engineering, automation, process control engineering / Electrical cabinet, housing, rack / Electrical cabinet (empty) / Electrical cabinet (ecl@ss10.0.1-27-18-01-01 (AGZ056016)) |    |  |                |
| Width                                                                                                                                                                                      | mm |  | 415            |
| Height                                                                                                                                                                                     | mm |  | 2080           |
| Depth                                                                                                                                                                                      | mm |  | 415            |
| Material                                                                                                                                                                                   |    |  | Steel          |
| Material quality                                                                                                                                                                           |    |  | Other          |
| Surface finishing                                                                                                                                                                          |    |  | Powder coating |
| Colour                                                                                                                                                                                     |    |  | Grey           |
| RAL-number                                                                                                                                                                                 |    |  | 7035           |
| Detached                                                                                                                                                                                   |    |  | Yes            |
| Floor standing wall model                                                                                                                                                                  |    |  | No             |
| Suitable for wall mounting                                                                                                                                                                 |    |  | No             |
| Corner model                                                                                                                                                                               |    |  | No             |
| Intermediate mounting                                                                                                                                                                      |    |  | No             |
| Connectable                                                                                                                                                                                |    |  | No             |
| With mounting plate                                                                                                                                                                        |    |  | No             |
| Mounting plate depth-adjustable                                                                                                                                                            |    |  | Yes            |
| Suitable for wall built-in                                                                                                                                                                 |    |  | No             |
| Pole fastening                                                                                                                                                                             |    |  | No             |
| Number of doors                                                                                                                                                                            |    |  | 1              |
| Number of locks                                                                                                                                                                            |    |  | 0              |
| Suitable for metrical mounting                                                                                                                                                             |    |  | Yes            |
| Suitable for outdoor set-up                                                                                                                                                                |    |  | No             |
| Pitched roof                                                                                                                                                                               |    |  | No             |
| EMC-version                                                                                                                                                                                |    |  | Yes            |
| With glazed door                                                                                                                                                                           |    |  | No             |
| With ventilation door                                                                                                                                                                      |    |  | No             |
| With backside door                                                                                                                                                                         |    |  | No             |
| Impact strength                                                                                                                                                                            |    |  | IK08           |
| Degree of protection (IP)                                                                                                                                                                  |    |  | IP30           |
| Degree of protection (NEMA)                                                                                                                                                                |    |  | Other          |
| Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890                                                                                                                             | W  |  | 0              |
| Max. permissible load of the enclosure according to IEC 62208                                                                                                                              | N  |  | 0              |
| Max. permissible load of the door(s) according to IEC 62208                                                                                                                                | N  |  | 0              |
| Max. permissible load of the mounting plate according to IEC 62208                                                                                                                         | N  |  | 0              |