



**Standard-compliant "mask" distribution board, WxHxD = 973 x 1000 x 175 mm**

**Part no. BP-MN-1000/10/1,75**  
**Article no. 119209**

## 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 for wall mounting                                                                                 | P <sub>V</sub> | CO | 85                                                                                                                               |
| Starting enclosure for wall mounting                                                                                   | P <sub>V</sub> | CO | 83                                                                                                                               |
| Middle enclosure for wall mounting                                                                                     | P <sub>V</sub> | CO | 82                                                                                                                               |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890                  |                |    |                                                                                                                                  |
| Individual enclosure for wall mounting                                                                                 | P <sub>V</sub> | CO | 170                                                                                                                              |
| Starting enclosure for wall mounting                                                                                   | P <sub>V</sub> | CO | 166                                                                                                                              |
| Middle enclosure for wall mounting                                                                                     | P <sub>V</sub> | CO | 164                                                                                                                              |
| 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                                                                                                         |                |    | 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 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 | 973                 |
| Height                                                                                                                                                                                  |  | mm | 950                 |
| Depth                                                                                                                                                                                   |  | mm | 175                 |
| Material                                                                                                                                                                                |  |    | Steel               |
| Type of surface                                                                                                                                                                         |  |    | With powder coating |
| Colour                                                                                                                                                                                  |  |    | Grey                |
| RAL-number                                                                                                                                                                              |  |    | 7035                |

|                                 |  |      |
|---------------------------------|--|------|
| With mounting plate             |  | No   |
| Mounting plate depth-adjustable |  | No   |
| Number of locks                 |  | 0    |
| Floor installation possible     |  | Yes  |
| Wall fastening possible         |  | No   |
| Wall build in                   |  | No   |
| Pole fastening                  |  | No   |
| Tackable                        |  | Yes  |
| Number of doors                 |  | 0    |
| Suitable for metrical mounting  |  | No   |
| Suitable for outdoor set-up     |  | No   |
| Pitched roof                    |  | No   |
| EMC-version                     |  | No   |
| Impact strength                 |  | IK07 |
| Degree of protection (IP)       |  | IP30 |
| With glazed door                |  | No   |
| With ventilation door           |  | No   |
| With backside door              |  | No   |