



Standard-compliant "mask" distribution board, WxHxD = 573 x 400 x 175 mm

Part no. **BP-MN-600/4/1,75**  
Article no. **119197**

## 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 | 37   |
| Starting enclosure for wall mounting   | P <sub>V</sub> | CO | 36   |
| Middle enclosure for wall mounting   | P <sub>V</sub> | CO | 34   |
| 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 | 74   |
| Starting enclosure for wall mounting   | P <sub>V</sub> | CO | 71   |
| Middle enclosure for wall mounting   | P <sub>V</sub> | CO | 68   |
| 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 | 573                 |
| Height  |  | mm | 350                 |
| 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   |