# DATASHEET - BPM-F-400/20

**Floor-standing distribution board with double-bit lock, IP55, HxWxD=2060x400x320mm**

| | |
|---|---|
| **Part no.** | **BPM-F-400/20** |
| **Catalog No.** | **111038** |
| **EL-Nummer (Norway)** | **0002459490** |

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## Delivery program

| | | |
|---|---|---|
| Mounting type | | Floor standing distribution board |
| Material | | Sheet steel |
| Door interlock | | Double-ward lock |
| Installation site | | Moisture-proof |
| Degree of Protection | | IP55 |
| Surface finish | | With powder coating |
| Width | mm | 400 |
| Depth | mm | 320 |
| 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 | $P_V$ | W | 119 |
| Starting enclosure, free-standing | $P_V$ | W | 107 |
| Middle enclosure, free-standing | $P_V$ | W | 98 |
| Individual enclosure for wall mounting | $P_V$ | W | 106 |
| Starting enclosure for wall mounting | $P_V$ | W | 98 |
| Middle enclosure for wall mounting | $P_V$ | W | 78 |
| 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 | $P_V$ | W | 238 |
| Starting enclosure, free-standing | $P_V$ | W | 215 |
| Middle enclosure, free-standing | $P_V$ | W | 197 |
| Individual enclosure for wall mounting | $P_V$ | W | 213 |
| Starting enclosure for wall mounting | $P_V$ | W | 196 |
| Middle enclosure for wall mounting | $P_V$ | W | 156 |
| 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 | | | IK10 |
| 10.2.7 Inscriptions | | | Meets the product standard's requirements. |
| 10.3 Degree of protection of ASSEMBLIES | | | IP55 |
| 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 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 7.0

| Cabinet enclosures (EG000011) / Enclosure/switchgear cabinet (empty) (EC000261) | | |
|---|---|---|
| Electric engineering, automation, process control engineering / Electrical cabinet, housing, rack / Electrical cabinet (empty) / Electrical cabinet (ecl@ss10.0.1-27-18-01-01 [AGZ056016]) | | |
| Width | mm | 400 |
| Height | mm | 2060 |
| Depth | mm | 320 |
| Material | | Steel |
| Material quality | | Other |
| Surface finishing | | 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 | | 1 |
| Suitable for metrical mounting | | No |
| Suitable for outdoor set-up | | No |
| Pitched roof | | No |
| EMC-version | | No |
| With glazed door | | No |
| With ventilation door | | No |
| With backside door | | No |
| Impact strength | | IK10 |
| Degree of protection (IP) | | IP55 |
| Degree of protection (NEMA) | | |