


Floor standing distribution board

Part no. BP-F-1200/20/3-P-IVS
Catalog No. 111378

Delivery program

| | | | |
|--------------------------------------|--|----|---|
| Product range | | | Service distribution board IVS |
| Basic function | | | Floor-standing enclosures |
| Single unit/Complete unit | | | Complete housing |
| Degree of Protection | | | IP30 (only with door) |
| Description | | | Profi Plus basic enclosures Sheet steel door with rotary lever Exchangeable door hinges |
| Material | | | Sheet steel |
| Surface finish | | | Polyester powder coating Phosphated RAL 7035, light grey |
| Colour | | | light gray (RAL 7035) |
| Information about equipment supplied | | | Including mounting system for the IVS mounting units including insulating surround and mounted insulated support bracket including cable entry top and bottom, with push-through flange |
| Width | | mm | 1200 |
| Height | | mm | 2060 |
| Depth | | mm | 300 |

Technical data
General

| | | | |
|--|--|----|---------------------------|
| Standards | | | EN 60439-1/3 IEC 62208 |
| Protection class | | | 1 |
| Degree of Protection | | | IP30 (only with door) |
| Power loss | | | |
| Max. admissible heat dissipation, ambient air temperature +35 °C | | W | 519 |
| Weight | | kg | 89 |

Material characteristics

| | | | |
|--------------------------|--|--|--|
| Material | | | Sheet steel |
| Surface treatment | | | Painting, phosphated and polyester powder coating |
| Surface finish | | | Polyester powder coating Phosphated RAL 7035, light grey |
| Colour | | | light gray (RAL 7035) |
| Material characteristics | | | |
| Type Door | | | Doors with covered hinges Can be removed from 90° |
| door opening angle | | | 167° (single mounting) 60° (combination mounting) |
| Door interlock | | | Hinge handle with three-point turn-lock Cylinder lock |

Material properties

| | | | |
|---------------------------|----------------|----|--|
| Mechanical | | | |
| Impact resistance | | | IK07 |
| Cable entry | | | Various covers allow cable entry from above and/or below |
| Electrical | | | |
| Rated operational voltage | U _e | V | 690 |
| Rated frequency | f | Hz | 50 |

| | | | |
|--|----------------|---|--|
| Rated operational current | I _e | A | 630 |
| Max. admissible heat dissipation, ambient air temperature +35 °C | | W | 519 |
| Earthings | | | M6 weld stud (base frame) M5 self-tapping screw (enclosure side plate, top/bottom panel) M6 weld stud (door) |

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 | CO | 280 |
| Starting enclosure, free-standing | P _V | CO | 278 |
| Middle enclosure, free-standing | P _V | CO | 275 |
| Individual enclosure for wall mounting | P _V | CO | 259 |
| Starting enclosure for wall mounting | P _V | CO | 252 |
| Middle enclosure for wall mounting | P _V | CO | 247 |
| 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 | CO | 562 |
| Starting enclosure, free-standing | P _V | CO | 557 |
| Middle enclosure, free-standing | P _V | CO | 552 |
| Individual enclosure for wall mounting | P _V | CO | 520 |
| Starting enclosure for wall mounting | P _V | CO | 506 |
| Middle enclosure for wall mounting | P _V | CO | 496 |
| 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 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. |