



Distribution cabinet, HxWxD=1600x1200x400mm, IP55

Part no. XVTL-MP/BF-12/4/16
Article no. 114507

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, free-standing | P _V | CO | 296 |
| Starting enclosure, free-standing | P _V | CO | 289 |
| Middle enclosure, free-standing | P _V | CO | 278 |
| Individual enclosure for wall mounting | P _V | CO | 266 |
| Starting enclosure for wall mounting | P _V | CO | 259 |
| Middle enclosure for wall mounting | P _V | CO | 255 |
| Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890 | | | |
| Individual enclosure, free-standing | P _V | CO | 594 |
| Starting enclosure, free-standing | P _V | CO | 580 |
| Middle enclosure, free-standing | P _V | CO | 559 |
| Individual enclosure for wall mounting | P _V | CO | 533 |
| Starting enclosure for wall mounting | P _V | CO | 520 |
| Middle enclosure for wall mounting | P _V | CO | 512 |
| 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 | | | Not applicable. |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects | | | Not applicable. |
| 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 = 690 V AC |
| 10.9.3 Impulse withstand voltage | | | 6 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

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| 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 | 1200 |
| Height | mm | 1600 |
| Depth | mm | 412 |
| Material | | Steel |
| Type of surface | | With powder coating |
| Colour | | Grey |
| RAL-number | | 7035 |
| With mounting plate | | No |
| Mounting plate depth-adjustable | | Yes |
| Number of locks | | 1 |
| Floor installation possible | | Yes |
| Wall fastening possible | | Yes |
| Wall build in | | No |
| Pole fastening | | No |
| Tackable | | Yes |
| Number of doors | | 1 |
| Suitable for metrical mounting | | Yes |
| Suitable for outdoor set-up | | No |
| Pitched roof | | No |
| EMC-version | | Yes |
| Impact strength | | IK10 |
| Degree of protection (IP) | | IP55 |
| With glazed door | | No |
| With ventilation door | | No |
| With backside door | | No |