



Distribution cabinet, HxWxD=2000x800x600mm, IP55

Part no. XVTL-MP/BX/IC-8/6/20
Article no. 114593

Delivery program

| | | | |
|--------------------------------------|--|----|--|
| Product range | | | Control centres XVTL |
| Basic function | | | Combination enclosures |
| Single unit/Complete unit | | | Complete housing |
| Degree of Protection | | | IP55 (with door and flange) |
| Description | | | Fragment basic equipment Including open cable entries top, prepared for F3A flange |
| Material | | | Sheet steel 2 mm |
| Surface finish | | | Polyester powder coating Phosphated RAL 7035, light grey |
| Colour | | | light gray (RAL 7035) |
| Information about equipment supplied | | | including frame, sheet steel doors, back plate, bottom and top plate, mounting plate, lifting eyelets, cylinder lock and branding strip Including support frame for the IVS mounting units including insulating surround and mounted insulated support bracket Without side walls |
| Width | | mm | 800 |
| Height | | mm | 2000 |
| Depth | | mm | 600 |

Technical data

General

| | | | |
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| Standards | | | IEC/EN 60439-1 IEC/EN 60439-3 IEC/EN 62208 |
| Protection class | | | 1 |
| | | | 40 °C (intermittent maximum value) 35 °C (maximum value, 24 h average) -5 °C (minimum value) |
| Installation conditions | | | Indoor installation |
| Degree of Protection | | | IP55 (with door and flange) |
| Relative humidity | | | 50% (at 40°C) |
| Power loss | | | |
| Max. admissible heat dissipation, ambient air temperature +35 °C | | W | 605 |
| Weight | | kg | 110 |

Material characteristics

| | | | |
|--------------------------|--|--|---|
| Material | | | Sheet steel 2 mm |
| 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 | | | Outside-supported doors with hidden hinges Can be removed from 90° |
| door opening angle | | | 120° (single mounting) 120° (combination mounting) |
| Door interlock | | | Folding handle with espagnolette lock Can be fitted with profile cylinder Three-point interlock |

Material properties

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|-------------|--|--|--|
| Mechanical | | | |
| Cable entry | | | Various covers allow cable entry from above and/or below |

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| Electrical | | | |
| Rated insulation voltage | U _i | V | 690 |
| Rated operational voltage | U _e | V | 415 |
| Rated frequency | f | Hz | 50 (AC) |
| Rated impulse withstand voltage | U _{imp} | kV | 6 |
| Rated operational current | I _e | A | 2500 |
| Overvoltage category/pollution degree | | | IV/3 |
| Rated short-time withstand current (t=1s) | I _{cw} | kA | 65 |
| Rated peak withstand current | I _{pk} | kA | 143 |
| Max. admissible heat dissipation, ambient air temperature +35 °C | | W | 605 |
| Earthings | | | Screw M10: 50 × 106 A ² s (base frame, main earthing) Taptite screw M6: 3.9 × 106 A ² s (enclosure side plate, back plate) M6 weld stud: 50 × 106 A ² s (door) |

Design verification as per IEC/EN 61439

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| 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 | 290 |
| Starting enclosure, free-standing | P _V | CO | 282 |
| Middle enclosure, free-standing | P _V | CO | 260 |
| Individual enclosure for wall mounting | P _V | CO | 277 |
| Starting enclosure for wall mounting | P _V | CO | 258 |
| Middle enclosure for wall mounting | P _V | CO | 243 |
| 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 | 581 |
| Starting enclosure, free-standing | P _V | CO | 566 |
| Middle enclosure, free-standing | P _V | CO | 521 |
| Individual enclosure for wall mounting | P _V | CO | 556 |
| Starting enclosure for wall mounting | P _V | CO | 517 |
| Middle enclosure for wall mounting | P _V | CO | 488 |
| 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. |

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| 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 | 800 |
| Height | mm | 2000 |
| Depth | mm | 600 |
| Material | | Steel |
| Type of surface | | With powder coating |
| Colour | | Grey |
| RAL-number | | 7035 |
| With mounting plate | | Yes |
| Mounting plate depth-adjustable | | No |
| 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) | | - |
| With glazed door | | No |
| With ventilation door | | No |
| With backside door | | No |