



**Distribution cabinet, HxWxD=1600x1200x300mm, IP55**

**Part no.                   XVTL-MP/BF-12/3/16**  
**Article no.               114506**

**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 <sub>V</sub>	CO	261
Starting enclosure, free-standing	P <sub>V</sub>	CO	255
Middle enclosure, free-standing	P <sub>V</sub>	CO	249
Individual enclosure for wall mounting	P <sub>V</sub>	CO	232
Starting enclosure for wall mounting	P <sub>V</sub>	CO	230
Middle enclosure for wall mounting	P <sub>V</sub>	CO	229
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure, free-standing	P <sub>V</sub>	CO	523
Starting enclosure, free-standing	P <sub>V</sub>	CO	511
Middle enclosure, free-standing	P <sub>V</sub>	CO	499
Individual enclosure for wall mounting	P <sub>V</sub>	CO	466
Starting enclosure for wall mounting	P <sub>V</sub>	CO	461
Middle enclosure for wall mounting	P <sub>V</sub>	CO	459
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 <sub>i</sub> = 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

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	312
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