



Distribution cabinet, HxWxD=2000x425x500mm, IP55

Part no. XVTL-MP/BF-4/5/20
Catalog No. 114527

EL-Nummer 2459942
(Norway)

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	180
Starting enclosure, free-standing	P _V	W	164
Middle enclosure, free-standing	P _V	W	136
Individual enclosure for wall mounting	P _V	W	172
Starting enclosure for wall mounting	P _V	W	144
Middle enclosure for wall mounting	P _V	W	124
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	362
Starting enclosure, free-standing	P _V	W	328
Middle enclosure, free-standing	P _V	W	273
Individual enclosure for wall mounting	P _V	W	346
Starting enclosure for wall mounting	P _V	W	288
Middle enclosure for wall mounting	P _V	W	249
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.
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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	425
Height		mm	2000
Depth		mm	512
Material			Steel
Material quality			Other
Surface finishing			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
With glazed door			No
With ventilation door			No
With backside door			No
Impact strength			IK10
Degree of protection (IP)			IP55
Degree of protection (NEMA)			