



Distribution cabinet, IVS, HxWxD=2000x600x300mm, IP55

Part no. XVTL-MP/BF-6/3/20-IVS
Article no. 118942

Delivery program

Product range			Service distribution board IVS
Basic function			Combination enclosures
Single unit/Complete unit			Complete housing
Degree of Protection			IP55 (with door and flange)
Description			Basic enclosure xVtl Including open cable entries top, prepared for F3A flange
Material			Sheet steel
Surface finish			Polyester powder coating Phosphated RAL 7035, light grey
Colour			light gray (RAL 7035)
Information about equipment supplied			including frame, doors, back plate, top plate and branding strip Including support frame for the IVS mounting units including insulating surround and mounted insulated support bracket Without side walls
Width		mm	600
Height		mm	2000
Depth		mm	300

Technical data

General

Standards			EN 60439-1/3 IEC 62208
Protection class			1
Degree of Protection			IP55 (with door and flange)
Power loss			
Max. admissible heat dissipation, ambient air temperature +35 °C		W	355
Weight		kg	88

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			120° (single mounting) 120° (combination mounting)
Door interlock			Roller lever lock Three-point interlock

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	355

Earthings			Screw M10 (base frame) M6 weld stud (enclosure side plate, top, bottom panel) Tapitite screw M6 (door)
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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	172
Starting enclosure, free-standing	P _V	CO	162
Middle enclosure, free-standing	P _V	CO	145
Individual enclosure for wall mounting	P _V	CO	146
Starting enclosure for wall mounting	P _V	CO	133
Middle enclosure for wall mounting	P _V	CO	123
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	345
Starting enclosure, free-standing	P _V	CO	325
Middle enclosure, free-standing	P _V	CO	291
Individual enclosure for wall mounting	P _V	CO	294
Starting enclosure for wall mounting	P _V	CO	268
Middle enclosure for wall mounting	P _V	CO	247
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			
10.2.3.1 Verification of thermal stability of enclosures			
10.2.3.2 Verification of resistance of insulating materials to normal heat			
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			
10.2.4 Resistance to ultra-violet (UV) radiation			
10.2.5 Lifting			
10.2.6 Mechanical impact			
10.2.7 Inscriptions			
10.3 Degree of protection of ASSEMBLIES			
10.4 Clearances and creepage distances			
10.5 Protection against electric shock			
10.6 Incorporation of switching devices and components			
10.7 Internal electrical circuits and connections			
10.8 Connections for external conductors			
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			
10.9.3 Impulse withstand voltage			
10.9.4 Testing of enclosures made of insulating material			
10.10 Temperature rise			
10.11 Short-circuit rating			
10.12 Electromagnetic compatibility			
10.13 Mechanical function			