

Floor standing distribution board

Part no. **BPM-F-600/20/2-P-EP**
Article no. **142445**



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	158
Starting enclosure, free-standing	P _V	CO	144
Middle enclosure, free-standing	P _V	CO	132
Individual enclosure for wall mounting	P _V	CO	127
Starting enclosure for wall mounting	P _V	CO	119
Middle enclosure for wall mounting	P _V	CO	112
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	317
Starting enclosure, free-standing	P _V	CO	288
Middle enclosure, free-standing	P _V	CO	265
Individual enclosure for wall mounting	P _V	CO	255
Starting enclosure for wall mounting	P _V	CO	238
Middle enclosure for wall mounting	P _V	CO	225
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			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
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			IK07
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			IP54
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 = 440 V AC
10.9.3 Impulse withstand voltage			8 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	600
Height	mm	2060
Depth	mm	250
Material		Steel
Type of surface		With powder coating
Colour		Grey
RAL-number		7035
With mounting plate		No
Mounting plate depth-adjustable		No
Number of locks		0
Floor installation possible		Yes
Wall fastening possible		No
Wall build in		No
Pole fastening		No
Tackable		Yes
Number of doors		1
Suitable for metrical mounting		No
Suitable for outdoor set-up		No
Pitched roof		No
EMC-version		No
Impact strength		IK07
Degree of protection (IP)		IP54
With glazed door		No
With ventilation door		No
With backside door		No