Floor standing distribution board, IVS, IP54, HxWxD=1760x600x320mm

Part no. BPM-F-600/17/3-P-IVS
Article no. 111389

Powering Business Worldwide

Delivery program

Product range			Service distribution board IVS
Basic function			Floor-standing enclosures
Single unit/Complete unit			Complete housing
Degree of Protection			IP54 (only with door and flange)
Description			Profi Plus basic enclosures Monoblock enclosure with door and rotary lever Including open cable entries top and bottom, prepared for F3A flange Exchangeable door hinges Covered hinges Door opening angle 100°
Material			Sheet steel
Surface finish			Polyester powder coating Phosphated RAL 7035, light grey
Colour			light gray (RAL 7035)
Information about equipment supplied			Including mounting system for the IVS mounting units including insulating surround and mounted insulated support bracket
Width		mm	600
Height		mm	1760
Depth		mm	320

Technical data

General

Standards			EN 60439-1/3 IEC 62208
Protection class			1
Degree of Protection			IP54 (only with door and flange)
Power loss			
Max. admissible heat dissipation, ambient air temperature +35 °C		W	264
Weight		kg	53.6

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			100° (single mounting)
Door interlock			Hinge handle with roller lever lock Cylinder lock Double-ward lock

Material properties

Mechanical			
Impact resistance			IK07
Cable entry			Open cable entry, prepared for F3A flanges
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	264
Earthings			M6 weld stud (base frame) M5 self-tapping screw (enclosure side plate, top/bottom panel) M6 weld stud (door)

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	156
Starting enclosure, free-standing	P_V	CO	142
Middle enclosure, free-standing	P_V	CO	130
Individual enclosure for wall mounting	P_V	CO	132
Starting enclosure for wall mounting	P_V	CO	122
Middle enclosure for wall mounting	P_V	CO	115
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	312
Starting enclosure, free-standing	P_V	CO	284
Middle enclosure, free-standing	P_V	CO	261
Individual enclosure for wall mounting	P_V	CO	264
Starting enclosure for wall mounting	P_V	CO	246
Middle enclosure for wall mounting	P_V	CO	231
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			4 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.