Floor standing distribution board

Part no. BP-F-1200/17/3-P-IVS-W
Article no. 111385

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			IP30 (only with door)
Description			Profi Plus basic enclosures Sheet steel door with rotary lever Exchangeable door hinges
Material			Sheet steel
Surface finish			Polyester powder coating Phosphated RAL 9016, traffic white
Colour			RAL 9016, traffic white
Information about equipment supplied			Including mounting system for the IVS mounting units including insulating surround and mounted insulated support bracket including cable entry top and bottom, with push-through flange
Width		mm	1200
Height		mm	1760
Depth		mm	300

Technical data

General

Degree of Protection			IP30 (only with door)
Power loss			
Max. admissible heat dissipation, ambient air temperature +35 °C		W	474
Weight		kg	83.7

Material characteristics

Material			Sheet steel
Surface treatment			Painting, phosphated and polyester powder coating
Surface finish			Polyester powder coating Phosphated RAL 9016, traffic white
Colour			RAL 9016, traffic white

Material properties

Electrical			
Max. admissible heat dissipation, ambient air temperature +35 °C		W	474

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	272
Starting enclosure, free-standing	P_V	CO	264
Middle enclosure, free-standing	P_V	CO	257
Individual enclosure for wall mounting	P_V	CO	237
Starting enclosure for wall mounting	P_V	CO	233
Middle enclosure for wall mounting	P_V	CO	231
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	546

Starting enclosure, free-standing	P_V	CO	530
Middle enclosure, free-standing	P_V	CO	515
Individual enclosure for wall mounting	P_V	CO	474
Starting enclosure for wall mounting	P_V	CO	467
Middle enclosure for wall mounting	P_V	CO	463
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			IP30
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.