



Wall-mounting housing, IVS, IP55 with rotary lever

Part no. **BPM-O-830/12-P-IVS**
 Catalog No. **131555**



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 for wall mounting	P _V	CO	125
Starting enclosure for wall mounting	P _V	CO	122
Middle enclosure for wall mounting	P _V	CO	108
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 for wall mounting	P _V	CO	251
Starting enclosure for wall mounting	P _V	CO	245
Middle enclosure for wall mounting	P _V	CO	216
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			
Does not apply to enclosures without lifting aids.			
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 = 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.			

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		830
Height	mm		1260
Depth	mm		270
Material			Steel
Material quality			
Surface finishing			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		Yes
Wall build in		No
Pole fastening		No
Tackable		No
Number of doors		1
Suitable for metrical mounting		Yes
Suitable for outdoor set-up		No
Pitched roof		No
EMC-version		No
With glazed door		No
With ventilation door		No
With backside door		No
Impact strength		IK10
Degree of protection (IP)		IP55
Degree of protection (NEMA)		