DATASHEET - BP-F-800/20/3

Floor standing distribution board with three-point turn-lock, W = 800 mm, H = 2060 mm, D = 300 mm

Powering Business Worldwide™

Part no.	**BP-F-800/20/3**
Catalog No.	**102320**
EL-Nummer (Norway)	**2459178**

Delivery program

Mounting type			Floor standing distribution board
Material			Sheet steel
Door interlock			Three-point turn-lock
Installation site			Indoor
Degree of Protection			IP30
Surface finish			With powder coating
Width		mm	800
Depth		mm	300
Height		mm	2060
Colour			light gray (RAL 7035)

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, free-standing	P_V	W	207
Starting enclosure, free-standing	P_V	W	201
Middle enclosure, free-standing	P_V	W	195
Individual enclosure for wall mounting	P_V	W	189
Starting enclosure for wall mounting	P_V	W	186
Middle enclosure for wall mounting	P_V	W	175
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, free-standing	P_V	W	416
Starting enclosure, free-standing	P_V	W	403
Middle enclosure, free-standing	P_V	W	391
Individual enclosure for wall mounting	P_V	W	380
Starting enclosure for wall mounting	P_V	W	372
Middle enclosure for wall mounting	P_V	W	352
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.

Technical data ETIM 8.0

Cabinet enclosures (EG000011) / Enclosure/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	815
Height		mm	2080
Depth		mm	315
Material			Steel
Material quality			Other
Surface finishing			Powder coating
Colour			Grey
RAL-number			7035
Detached			Yes
Floor standing wall model			No
Suitable for wall mounting			No
Corner model			No
Intermediate mounting			No
Connectable			No
With mounting plate			No
Mounting plate depth-adjustable			Yes
Suitable for wall built-in			No
Pole fastening			No
Number of doors			1
Number of locks			1
Suitable for metrical mounting			Yes
Suitable for outdoor set-up			No
Pitched roof			No
EMC-version			Yes
With glazed door			No
With ventilation door			No
With backside door			No
Impact strength			IK08
Degree of protection (IP)			IP30
Degree of protection (NEMA)			Other
Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890		W	0
Max. permissible load of the enclosure according to IEC 62208		N	0
Max. permissible load of the door(s) according to IEC 62208		N	0
Max. permissible load of the mounting plate according to IEC 62208		N	0

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