DATASHEET - BPM-F-850/20/2-P-EP

Floor-standing distribution board, EP, IP55, HxWxD=2060x850x250mm

Part no. **BPM-F-850/20/2-P-EP**
142446

Powering Business Worldwide

General specifications	
Product name	Eaton xEnergy Basic empty enclosure
Part no.	BPM-F-850/20/2-P-EP
EAN	4015081391776
Product Length/Depth	270 millimetre
Product height	2080 millimetre
Product width	870 millimetre
Product weight	55 kilogram
Compliances	RoHS conform
Product Tradename	xEnergy Basic
Product Type	Empty enclosure
Product Sub Type	None
Delivery program	
Color	Gray
Technical Data - Mechanical	
Surface finishing	Powder coating
Mounting method	Detached
Material	Steel
Degree of protection	IK10 IP55 Other
Number of connector holes	0
Number of covers/doors	1
Number of locks	0
Permissible load of the door(s) according to IEC 62208 - max	0 N
Permissible load of the enclosure according to IEC 62208 - max	0 N
Permissible load of the mounting plate according to IEC 62208 - max	0 N
Installation type	Floor installation possible
Temperature-rise verification as per IEC 60890	
Heat diss. ambient 35°C delta T: 20°C free stand middle encl. top (IEC 60890)	193 W
Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)	172 W
Heat diss. ambient 35°C delta T: 35°C free stand middle encl. top (IEC 60890)	387 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)	346 W
Heat diss. ambient 35°C delta T:20°C free stand individ. encl. top (IEC 60890)	202 W
Heat diss. ambient 35°C delta T:20°C free stand starting encl. top (IEC 60890)	197 W
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)	183 W
Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)	188 W
Heat diss. ambient 35°C delta T:35°C free stand individ. encl. top (IEC 60890)	406 W
Heat diss. ambient 35°C delta T:35°C free stand starting encl. top (IEC 60890)	396 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)	368 W
Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)	376 W
Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890	0 W
Design verification as per IEC/EN 61439	
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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		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.
10.9.2 Power-frequency electric strength		Ui = 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.

Additional information

Features		Connectable EMC-version
Fitted with:		Door
RAL-number		7035
Suitable for		Metrical mounting

Technical data ETIM 9.0

Cabinet enclosures (EG000011) / Enclosure/cabinet (empty) (EC000261)

Electric engineering, automation, process control engineering / Electrical cabinet, housing, rack / Electrical cabinet (empty) / Electrical cabinet, Empty enclosures (ecl@ss13-27-18-01-01 [AGZ056021])

Width	mm	870
Height	mm	2080
Depth	mm	270
Material		Steel
Material quality		Other
Surface finishing		Powder coating
Colour		Grey
RAL-number		7035
Freestanding		Yes
Floor standing wall model		No
Suitable for wall mounting		No
Corner model		No
Intermediate mounting		No
Couplable		Yes
With mounting plate		No
Mounting plate depth-adjustable		No
Suitable for wall built-in		No
Pole fastening		No
With door		Yes
Number of doors		1
With glazed door		No
With ventilation door		No
With rear door		No
Number of locks		0
With cover		No
Transparent cover		No
Suitable for metrical mounting		Yes
Suitable for outdoor set-up		No
Pitched roof		No

Number of connector holes			0
Pre-stamping			No
EMC-version			Yes
Impact strength			IK10
Degree of protection (IP)			IP55
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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