

Specifications



Eaton 174371

Eaton xEnergy Basic LV systems Low voltage switchgear. Floor-standing distribution board without door, IP55, HxWxD=2060x1000x320mm

General specifications

PRODUCT NAME	Eaton xEnergy Basic empty enclosure
CATALOG NUMBER	174371
MODEL CODE	BPM-F-1000/20-F
EAN	4015081708338
PRODUCT LENGTH/DEPTH	320 mm
PRODUCT HEIGHT	2060 mm
PRODUCT WIDTH	1000 mm
PRODUCT WEIGHT	60.6 kg
COMPLIANCES	RoHS conform



Powering Business Worldwide

Additional information

FUNCTIONS

Basic device

RAL-NUMBER

7035

SUITABLE FOR

Metrical mounting

Delivery programme

APPLICATION

Moisture-proof
(installation site)

COLOR

Light gray (RAL 7035)
Gray

TYPE

Basic device

Design verification to IEC/EN 61439

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.
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.

Technical data - mechanical

GRADE MATERIAL	Sheet steel
INSTALLATION TYPE	Floor installation possible
MATERIAL	Steel Sheet steel
MOUNTING METHOD	Floor standing distribution board Detached
NUMBER OF CONNECTOR HOLES	0
NUMBER OF COVERS/DOORS	0
NUMBER OF LOCKS	0
SURFACE FINISHING	With powder coating Powder coating
DEGREE OF PROTECTION	IK10 IP55 Other

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	4 kV
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Does not apply to metal enclosures.

Temperature-rise verification as per IEC 60890

HEAT DISS. AMBIENT
35°C DELTA T: 20°C FREE
STAND MIDDLE ENCL.
TOP (IEC 60890) 243 W

HEAT DISS. AMBIENT
35°C DELTA T: 20°C WALL
MOUNT MIDDLE ENCL.
TOP (IEC 60890) 219 W

HEAT DISS. AMBIENT
35°C DELTA T: 35°C FREE
STAND MIDDLE ENCL.
TOP (IEC 60890) 487 W

HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT MIDDLE ENCL.
TOP (IEC 60890) 438 W

HEAT DISS. AMBIENT
35°C DELTA T: 20°C FREE
STAND INDIVID. ENCL.
TOP (IEC 60890) 259 W

HEAT DISS. AMBIENT
35°C DELTA T: 20°C FREE
STAND STARTING ENCL.
TOP (IEC 60890) 252 W

HEAT DISS. AMBIENT
35°C DELTA T: 20°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890) 229 W

HEAT DISS. AMBIENT
35°C DELTA T: 20°C WALL
MOUNT STARTING ENCL.
TOP (IEC 60890) 223 W

HEAT DISS. AMBIENT
35°C DELTA T: 35°C FREE
STAND INDIVID. ENCL.
TOP (IEC 60890) 519 W

HEAT DISS. AMBIENT
35°C DELTA T: 35°C FREE
STAND STARTING ENCL.
TOP (IEC 60890) 506 W

HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890) 459 W

HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT STARTING ENCL.
TOP (IEC 60890) 447 W

Resources

BROCHURES	eaton-xenergy-basic-light-brochure-br014024-en-us.pdf
CATALOGUES	eaton-distribution-boards-xenergy-basic-catalog-ca014010en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-empty-enclosure-declaration-of-conformity-eu251403en.pdf eaton-empty-enclosure-declaration-of-conformity-uk251448en.pdf
DRAWINGS	eaton-low-voltage-switch-gear-dimensions-1230dim-439.eps
FLYERS	eaton-xenergy-basic-profisnap-flyer-fl019008en-en-us.pdf
MCAD MODEL	eaton-front-access-switchboard-mcad-3d-models-bpm-f-1000-20-f.stp
SALES NOTES	eaton-f3a-flange-flyer-fl019005en-en-us.pdf

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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