

Specifications



Eaton 116666

Eaton xEnergy Basic LV systems Low voltage switchgear. Surface-mount installation distribution board with rotary lever, IP55, HxWxD=1260x800x270mm

General specifications

PRODUCT NAME	Eaton xEnergy Basic small distribution board
CATALOG NUMBER	116666
MODEL CODE	BPM-O-800/12-P
EAN	4015081164110
PRODUCT LENGTH/DEPTH	270 mm
PRODUCT HEIGHT	1260 mm
PRODUCT WIDTH	800 mm
PRODUCT WEIGHT	40.3 kg
COMPLIANCES	RoHS conform



Powering Business Worldwide

Additional information

FEATURES

EMC-version

FUNCTIONS

Basic device
Extension possible
Sealable

RAL-NUMBER

7035

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	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	Is the panel builder's

Technical data - mechanical

BUILT-IN HEIGHT	1290 mm
BUILT-IN WIDTH	830 mm
CLOSURE TYPE	Other
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Door Rotary lever Single
ENCLOSURE MATERIAL	Steel
INTERNAL DEPTH	265 mm
MATERIAL	Sheet steel
MOUNTING METHOD	Surface mounted (plaster) Surface mounting
NUMBER OF ROWS	7
SURFACE FINISHING	With powder coating
WIDTH IN NUMBER OF MODULAR SPACINGS	35
BUILT-IN DEPTH	300 mm
DEGREE OF PROTECTION	IP55

EXTERNAL CONDUCTORS	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 WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	116 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	234 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	135 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	130 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	270 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	260 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-436.eps
FLYERS	eaton-xenergy-basic-profisnap-flyer-fl019008en-en-us.pdf
MANUALS AND USER GUIDES	DA-MN-170900094
MCAD MODEL	eaton-empty-consumer-units-mcad-drawings-bpm-o-800-12-p.dwg bpm_o_800_12_p.stp
SALES NOTES	eaton-f3a-flange-flyer-fl019005en-en-us.pdf

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

