

Specifications



Eaton 102335

Eaton xEnergy Basic LV systems Low voltage switchgear. White floor standing distribution board with three-point turn-lock, W = 400 mm, H = 1760 mm, D = 300 mm

General specifications

PRODUCT NAME	Eaton xEnergy Basic empty enclosure
CATALOG NUMBER	102335
MODEL CODE	BP-F-400/17/3-W
EAN	4015081022236
PRODUCT LENGTH/DEPTH	300 mm
PRODUCT HEIGHT	1760 mm
PRODUCT WIDTH	400 mm
PRODUCT WEIGHT	34 kg
COMPLIANCES	RoHS conform

Additional information

FEATURES	Mounting plate depth-adjustable EMC-version
FITTED WITH:	Door
FUNCTIONS	Basic device
RAL-NUMBER	9016
SUITABLE FOR	Metrical mounting

Delivery programme

APPLICATION	Indoor (installation site)
COLOR	White Traffic white (RAL 9016)
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	IK08
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.

Technical data - mechanical

COVER/DOOR TYPE	Three-point turn-lock
GRADE MATERIAL	Sheet steel
INSTALLATION TYPE	Floor installation possible
MATERIAL	Sheet steel Steel
MOUNTING METHOD	Floor standing distribution board Detached
NUMBER OF CONNECTOR HOLES	0
NUMBER OF COVERS/DOORS	1
NUMBER OF LOCKS	1
SURFACE FINISHING	With powder coating Powder coating
DEGREE OF PROTECTION	IP30 IK08 (impact resistance) Other IK08

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) 75 W

HEAT DISS. AMBIENT
35°C DELTA T: 20°C WALL
MOUNT MIDDLE ENCL.
TOP (IEC 60890) 65 W

HEAT DISS. AMBIENT
35°C DELTA T: 35°C FREE
STAND MIDDLE ENCL.
TOP (IEC 60890) 151 W

HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT MIDDLE ENCL.
TOP (IEC 60890) 131 W

HEAT DISS. AMBIENT
35°C DELTA T: 20°C FREE
STAND INDIVID. ENCL.
TOP (IEC 60890) 101 W

HEAT DISS. AMBIENT
35°C DELTA T: 20°C FREE
STAND STARTING ENCL.
TOP (IEC 60890) 88 W

HEAT DISS. AMBIENT
35°C DELTA T: 20°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890) 84 W

HEAT DISS. AMBIENT
35°C DELTA T: 20°C WALL
MOUNT STARTING ENCL.
TOP (IEC 60890) 73 W

HEAT DISS. AMBIENT
35°C DELTA T: 35°C FREE
STAND INDIVID. ENCL.
TOP (IEC 60890) 203 W

HEAT DISS. AMBIENT
35°C DELTA T: 35°C FREE
STAND STARTING ENCL.
TOP (IEC 60890) 176 W

HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT INDIVID. ENCL.
TOP (IEC 60890) 168 W

HEAT DISS. AMBIENT
35°C DELTA T: 35°C WALL
MOUNT STARTING ENCL.
TOP (IEC 60890) 147 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-small-distribution-board-declaration-of-conformity-eu250305en.pdf](#)

DRAWINGS

[eaton-low-voltage-switch-gear-dimensions-1230dim-438.eps](#)

FLYERS

[eaton-xenergy-basic-profisnap-flyer-fl019008en-en-us.pdf](#)

MANUALS AND USER GUIDES

[DA-MN-170900093](#)

MCAD MODEL

[eaton-front-access-switchboard-mcad-3d-models-bp-f-400-17-3-w.stp](#)

PEP ECO-PASSPORT

[eaton-front-access-switchboard-pep-eato-00342-v0101-en.pdf](#)

SALES NOTES

[eaton-f3a-flange-flyer-fl019005en-en-us.pdf](#)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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