

Specifications



Eaton 158100

Eaton xEffect xVtl Enclosures Switch- & Controlgear Enclosure. Distribution cabinet, EP, HxWxD=2000x850x600mm, IP55

General specifications

PRODUCT NAME	Eaton xEffect xVtl empty enclosure-EP
CATALOG NUMBER	158100
MODEL CODE	XVTL-MP/BX-85/6/20-EP
EAN	4015081546893
PRODUCT LENGTH/DEPTH	600 mm
PRODUCT HEIGHT	2000 mm
PRODUCT WIDTH	850 mm
PRODUCT WEIGHT	106 kg
COMPLIANCES	RoHS conform

Product specifications

FEATURES	Connectable Mounting plate depth-adjustable EMC-version
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	Not applicable.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Not applicable.
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	Is the panel builder's responsibility.

Resources

CATALOGUES

[eaton-pdd-xenergy-light-catalog-ca014022en-en-us.pdf](#)

[eaton-xenergy-light-add-on-distribution-board-product-catalog-2017-en-us.pdf](#)

COMPONENTS	
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 = 690 V AC
10.9.3 IMPULSE WITHSTAND VOLTAGE	6 kV
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Does not apply to metal enclosures.
FITTED WITH:	Mounting plate
POLLUTION DEGREE	3
SURFACE FINISHING	Powder coating
DEGREE OF PROTECTION	IK10 IP55 4X (NEMA)
HEAT DISS. AMBIENT 35°C DELTA T:20°C FREE STAND INDIVID. ENCL. TOP (IEC 60890)	299 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C FREE STAND MIDDLE ENCL. TOP (IEC 60890)	275 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C FREE STAND STARTING ENCL. TOP (IEC 60890)	291 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	292 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	254 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	271 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C FREE STAND INDIVID. ENCL. TOP (IEC 60890)	600 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C FREE STAND MIDDLE ENCL. TOP (IEC 60890)	552 W

HEAT DISS. AMBIENT 35°C DELTA T:35°C FREE STAND STARTING ENCL. TOP (IEC 60890)	583 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	585 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	510 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	543 W
MATERIAL QUALITY	Other
COLOR	Gray
PERMISSIBLE LOAD OF THE MOUNTING PLATE ACCORDING TO IEC 62208 - MAX	4000 N
NUMBER OF LOCKS	1
RAL-NUMBER	7035
MATERIAL	Steel
MOUNTING METHOD	Wall fastening
OVERVOLTAGE CATEGORY	IV
INSTALLATION TYPE	Floor standing wall model
PROTECTION CLASS	I
NUMBER OF COVERS/DOORS	1
SUITABLE FOR	Metrical mounting
PERMISSIBLE LOAD OF THE ENCLOSURE ACCORDING TO IEC 62208 - MAX	5000 N
PERMISSIBLE LOAD OF THE DOOR(S) ACCORDING TO IEC 62208 - MAX	1000 N
THERMAL DISSIPATION (DELTA T = 20 K) ACCORDING TO IEC/TR 60890	585.181 W
NUMBER OF CONNECTOR HOLES	0

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.

