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Eaton 114427

Eaton xEffect xVtl Enclosures Switch- & Controlgear Enclosure. Distribution cabinet, HxWxD=2000x800x500mm, IP40

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PRODUCT NAME	Eaton xEffect xVtl empty enclosure
CATALOG NUMBER	114427
PRODUCT LENGTH/DEPTH	500 mm
PRODUCT HEIGHT	2000 mm
PRODUCT WIDTH	800 mm
PRODUCT WEIGHT	83 kg
COMPLIANCES	RoHS conform

FEATURES

Mounting plate depth-
adjustable
EMC-version
Connectable

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

IP40

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.

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[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	IP40 IK10 4X (NEMA)
HEAT DISS. AMBIENT 35°C DELTA T:20°C FREE STAND INDIVID. ENCL. TOP (IEC 60890)	271 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C FREE STAND MIDDLE ENCL. TOP (IEC 60890)	237 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C FREE STAND STARTING ENCL. TOP (IEC 60890)	253 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	245 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	222 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	232 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C FREE STAND INDIVID. ENCL. TOP (IEC 60890)	544 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C FREE STAND MIDDLE ENCL. TOP (IEC 60890)	475 W

HEAT DISS. AMBIENT 35°C DELTA T:35°C FREE STAND STARTING ENCL. TOP (IEC 60890)	507 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	491 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	446 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	466 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	491.277 W
NUMBER OF CONNECTOR HOLES	0

