

Eaton 114427

Catalog Number: 114427

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



General specifications

Product Name	Catalog Number
Eaton xEffect xVtl empty enclosure	114427
Model Code	EAN
XVTL-BF-8/5/20	4015081138272
Product Length/Depth	Product Height
500 mm	2000 mm
Product Width	Product Weight
800 mm	83 kg
Compliances	
RoHS conform	

Product specifications

10.11 Short-circuit rating

Is the panel builder's responsibility.

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 free stand middle encl. top (IEC 60890)

237 W

RAL-number

7035

10.4 Clearances and creepage distances

Is the panel builder's responsibility.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility.

Mounting method

Wall fastening

10.2.5 Lifting

Met; assembled and secured as per the latest applicable instruction leaflet.

Material quality

Other

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

Fitted with:

Mounting plate

10.8 Connections for external conductors

Is the panel builder's responsibility.

Permissible load of the door(s) according to IEC 62208 - max

1000 N

Color

Gray

Features

Mounting plate depth-adjustable

EMC-version

Connectable

10.9.3 Impulse withstand voltage

6 kV

Resources

Catalogs

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

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

Certification reports

[DA-DC-03_xEnergy_Light_XVTL](#)

Manuals and user guides

[DA-MN-170914860](#)

10.6 Incorporation of switching devices and components

Is the panel builder's responsibility.

10.5 Protection against electric shock

< 0.1 Ω ; meets the product standard's requirements.

Heat diss. ambient 35°C delta T:20°C free stand individ. encl. top
(IEC 60890)

271 W

10.13 Mechanical function

Meets the product standard's requirements.

10.2.6 Mechanical impact

IK10

10.9.4 Testing of enclosures made of insulating material

Does not apply to metal enclosures.

10.3 Degree of protection of assemblies

IP40

Number of covers/doors

1

Heat diss. ambient 35°C delta T: 35°C free stand middle encl. top
(IEC 60890)

475 W

Installation type

Floor standing wall model

Heat diss. ambient 35°C delta T:35°C free stand individ. encl. top
(IEC 60890)

544 W

Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890

491.277 W

Suitable for

Metrical mounting

Surface finishing

Powder coating

Heat diss. ambient 35°C delta T:35°C free stand starting encl. top
(IEC 60890)

507 W

Permissible load of the mounting plate according to IEC 62208 -
max

4000 N

Heat diss. ambient 35°C delta T:35°C wall mount starting encl.
top (IEC 60890)

466 W

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.

Permissible load of the enclosure according to IEC 62208 - max

5000 N

10.9.2 Power-frequency electric strength

Ui = 690 V AC

Degree of protection

IP40

IK10

4X (NEMA)

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:35°C wall mount individ. encl. top (IEC 60890)

491 W

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)

446 W

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

Material

Steel

Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)

232 W

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Not relevant to indoor installations.

10.2.7 Inscriptions

Meets the product standard's requirements.

Number of locks

1



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