Specifications

Eaton 114431



Catalog Number: 114431

Eaton xEffect xVtl Enclosures Switch- & Controlgear Enclosure. Distribution cabinet, HxWxD=2000x1000x400mm, IP40

General specifications

Product Name	**Catalog Number**
Eaton xEffect xVtl empty enclosure	114431
EAN	**Product Length/Depth**
4015081138319	400 mm
Product Height	**Product Width**
2000 mm	1000 mm
Product Weight	**Compliances**
97 kg	RoHS conform

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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

IP40

10.4 Clearances and creepage distances

Is the panel builder's responsibility.

Resources

Catalogs

eaton-pdd-xenergy-light-catalog-ca014022en-en-us.pdf

eaton-xenergy-light-add-on-distribution-board-product-catalog-2017-en-us.pdf

Declarations of conformity

DA-DC-03_xEnergy_Light_XVTL

Manuals and user guides

DA-MN-170914860

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 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

IP40

4X (NEMA)

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

278 W

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

263 W

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

274 W

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

255 W

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

237 W

Heat diss. ambient 35°C delta T:20°C wall mount starting encl.

top (IEC 60890)

245 W

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

558 W

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

527 W

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

549 W

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

512 W

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

476 W

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

491 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

2

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

511.831 W

Number of connector holes

0

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