Specifications

# 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 |
| **EAN** | **Product Length/Depth** |
| 4015081138272 | 500 mm |
| **Product Height** | **Product Width** |
| 2000 mm | 800 mm |
| **Product Weight** | **Compliances** |
| 83 kg | RoHS conform |

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## Product specifications

### 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.

## 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

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

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