

# Eaton 114506

Catalog Number: 114506

Eaton xEffect xVtl Enclosures Switch- & Controlgear Enclosure.  
Distribution cabinet, HxWxD=1600x1200x300mm, IP55



## General specifications

|                                    |                |
|------------------------------------|----------------|
| Product Name                       | Catalog Number |
| Eaton xEffect xVtl empty enclosure | 114506         |
| Model Code                         | EAN            |
| XVTL-MP/BF-12/3/16                 | 4015081139064  |
| Product Length/Depth               | Product Height |
| 300 mm                             | 1600 mm        |
| Product Width                      | Product Weight |
| 1200 mm                            | 99 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)

255 W

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

249 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

Connectable

Mounting plate depth-adjustable

EMC-version

### 10.9.3 Impulse withstand voltage

6 kV

## Resources

### Catalogs

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

[eaton-xenergy-light-add-on-distribution-board-product-catalog-2017-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  $\Omega$ ; meets the product standard's requirements.

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

261 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

IP55

Number of covers/doors

1

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

499 W

Installation type

Floor standing wall model

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

523 W

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

466.241 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)

511 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)

461 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

U<sub>i</sub> = 690 V AC

#### Degree of protection

IP55

IK10

4X (NEMA)

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

232 W

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

229 W

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

466 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)

459 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)

230 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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