

# Eaton 114496

Catalog Number: 114496

Eaton xEffect xVtl Enclosures Switch- & Controlgear Enclosure.  
Distribution cabinet, HxWxD=1600x425x300mm, IP55



## General specifications

Product Name	Catalog Number
Eaton xEffect xVtl empty enclosure	114496
Model Code	EAN
XVTL-MP/BF-4/3/16	4015081138968
Product Length/Depth	Product Height
300 mm	1600 mm
Product Width	Product Weight
425 mm	52 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)

87 W

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

76 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  $\Omega$ ; meets the product standard's requirements.

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

103 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 incl. top (IEC 60890)

152 W

Installation type

Floor standing wall model

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

206 W

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

166.978 W

Suitable for

Metrical mounting

Surface finishing

Powder coating

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

174 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 incl. top (IEC 60890)

147 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

$U_i = 690 \text{ V AC}$

### Degree of protection

IK10

IP55

4X (NEMA)

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

83 W

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

66 W

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

167 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)

133 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)

74 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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