

# Eaton 002612

Catalog Number: 002612

Eaton xEnergy Safety Ci LV systems LV switchgear. MCB enclosure, +door, 3x9space units, HxWxD=375x250x150mm



General specifications

Product Name	Catalog Number
Eaton xEnergy Safety Ci MCB enclosure	002612
EAN	Product Length/Depth
4015080026129	150 mm
Product Height	Product Width
250 mm	375 mm
Product Weight	Compliances
3.233 kg	RoHS conform
Certifications	
EN 61439-2	
EN 62208	

## Product specifications

### Used with

Prepared enclosure  
xEnergy Safety Ci  
MCB individual enclosures

### Special features

Metric cable entry knockouts  
in all sides  
Housings for e.g. built-in  
devices MCB, RCD, RCBO,  
AFDD  
Transparent door for  
operator access to devices  
fitted  
Metal mounting rail for  
snapping on devices  
1 x Blanking strip for unused  
mounting locations  
Protective shroud with  
inscription label  
PE/N combi-plug-in  
terminals  
Fixing straps for wall fixing  
Sealable cover fasteners

### Type

MCB individual enclosures  
Prepared enclosure  
xEnergy Safety Ci

### 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.

## Resources

### Brochures

[eaton-xenergy-safety-ci-subway-line-success-story-en-us.pdf](#)  
[eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf](#)

### Catalogs

[eaton-xenergy-ci-safety-catalog-ca015006en-en-us.pdf](#)

### Drawings

[eaton-distribution-boards-enclosure-xenergy-safety-ci-mcb-enclosure-dimensions-002.eps](#)  
[eaton-lighting-enclosure-xenergy-safety-ci-mcb-enclosure-dimensions-002.eps](#)

### Installation instructions

[IL015090ZU](#)

### mCAD model

[ae\\_i43e\\_t.stp](#)  
[ae\\_i43e\\_t.dwg](#)

#### 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

Meets the product standard's requirements.

#### 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Lower part: 960 °C / cover: 850 °C; meets the product standard's requirements.

#### 10.2.4 Resistance to ultra-violet (UV) radiation

Not relevant to indoor installations.

#### 10.2.5 Lifting

10 kg per enclosure with support frame and lifting aid 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

IP65

#### 10.4 Clearances and creepage distances

Is the panel builder's responsibility.

#### 10.5 Protection against electric shock

Protection class 2, therefore not applicable.

#### 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

$U_i = 1000 \text{ V AC}$

#### 10.9.3 Impulse withstand voltage

8 kV

#### 10.9.4 Testing of enclosures made of insulating material

Meets the product standard's requirements.

#### Enclosure material

Plastic

Accessory/spare part type

MCB individual enclosures

Built-in height

0 mm

Built-in width

0 mm

Unit type

Stand-alone device

Built-in depth

100 mm

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

19 W

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

16 W

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

17 W

Closure type

Other

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

Transparent

Door

Single

RAL-number

7035

Width in number of modular spacings

9

Color

Gray

Number of rows

3

Number of module space units (total)

27

#### Degree of protection

IP65

#### Number and capacity of terminal (PE and N)

On each 3 x (2.5 - 25 mm<sup>2</sup>)

On each 21 x (0.5 - 4 mm<sup>2</sup>)

#### Functions

Prepared enclosure

#### Mounting method

DIN-rail

Surface mounted (plaster)

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

38 W

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

32 W

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

35 W

#### Internal depth

150 mm



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