Specifications

# Eaton 017527



## Catalog Number: 017527

Eaton xEnergy Safety Ci LV systems LV switchgear. Insulated enclosure, top+bottom open, HxWxD=250x375x150mm

### General specifications

**Product Name**
Eaton xEnergy Safety Ci empty enclosure insulated

**Catalog Number**
017527

**EAN**
4015080175278

**Product Length/Depth**
150 mm

**Product Height**
250 mm

**Product Width**
375 mm

**Product Weight**
1.717 kg

**Compliances**
RoHS conform

**Certifications**
EN 62208
EN 61439-2

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## Product specifications

### Special features

Housing prepared for distribution board Two sides closed, can be folded out two sides open Sealable cover fasteners Integrated pressure-relief mechanism for short-circuits

### Type

Basic enclosure Panel enclosures xEnergy Safety Ci

### Features

UV resistance beneath protective shield
Cover with overpressure release

### 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

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

### 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

## Resources

### Brochures

eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf

eaton-xenergy-safety-ci-subway-line-success-story-en-us.pdf

### Catalogs

eaton-xenergy-ci-safety-catalog-ca015006en-en-us.pdf

### Drawings

eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-004.eps

eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-010.eps

eaton-enclosures-xenergy-safety-ci-lv-systems-dimensions-002.eps

eaton-enclosures-mounting-xenergy-safety-ci-lv-systems-dimensions.eps

eaton-insulated-boards-panel-xenergy-safety-ci-lv-systems-dimensions-003.eps

eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-013.eps

### Installation instructions

05670392.pdf

### mCAD model

ci43_125.stp

ci43_125.dwg

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

Ui = 1000 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.

### Surface finishing

Resistant to corrosion

### Degree of protection

IP65

Other

IK10

### Enclosure material

Plastic

### Surface protection

Other

### Chemical resistance

Not resistant to: alkalis, benzene

Resistant against: acids < 10 %, mineral oil, alcohol, gasoline, greases, salt solutions

Partly resistant to: Acids > 10 %

### Circuit integrity

Other

### Unit type

Single unit

Built-in depth

125 mm

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

20 W

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

18 W

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

19 W

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

41 W

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

37 W

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

39 W

Color

Gray

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

None

Transparent

Optional

Number of openings (flange plates)

4

Plate thickness (cabinet)

6 mm

Plate thickness (cover/door)

6 mm

RAL-number

7035

Width in number of modular spacings

15

### Ambient operating temperature details

-40 °C - 80 °C

### Material

Glass-fibre reinforced polycarbonate (base)

Non-reinforced polycarbonate (cover)

Halogen free

### Mounting method

Surface mounted (plaster)

### Number of rows

0

### Functions

Extension possible

### Temperature resistance

Temperature resistant: 85 °C (enclosure bolt)

Temperature resistant: -40 °C - 120 °C (enclosure)

Temperature resistant: 80 °C (gasket)

### Flammability characteristics (UL)

V1 (base) (UL94)

V2 (cover) (UL94)

### Protection class

II

### Number of modules

1

### Surface treatment

Resistant to corrosion

### Internal depth

125 mm

### Mounting depth with mounting plate

125 mm

### Nominal current

1600 A

### Number of conduit inlets

76

### Suitable for

Lightning protection

Outdoor use

### Saline spray resistance

IEC 60068-2-11




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