Specifications

# Eaton 194549



## Catalog Number: 194549

Eaton xEnergy Safety Ci LV systems LV switchgear. Panel enclosure, with gland plate and cable glands, HxWxD=500x375x225mm

### General specifications

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

**Catalog Number**
194549

**EAN**
9010238057517

**Product Length/Depth**
225 mm

**Product Height**
500 mm

**Product Width**
375 mm

**Product Weight**
3.9 kg

**Compliances**
RoHS conform

**Certifications**
EN 62208
EN 61439-2

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## Product specifications

### Special features

Sealable cover fasteners Sides closed, but with full area knockout Open top Fitting of cable supports in the distribution board with wedge-lock fastener Gland plate can be split, cables can be inserted from the front

### Type

Basic enclosure Panel enclosure with gland plates fitted 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

30 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

## 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-enclosures-mounting-xenergy-safety-ci-lv-systems-dimensions-008.eps

### Installation instructions

05670392.pdf

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

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.

### Creepage resistance

KB160, KC175 (base, to IEC 60112)

KB100, KC200 (cover, to IEC 60112)

### Degree of protection

IK10

IP65 (KST cable entries from below)

IP64 (KST cable entries from above)

IP65 (enclosure)

Other

IP65

IP00 (cable entry open)

### Enclosure material

Plastic

### Surface protection

Other

### Chemical resistance

Partly resistant to: Acids > 10 %

Not resistant to: alkalis, benzene

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

### Circuit integrity

None

### Unit type

Stand-alone device

### Ambient operating temperature - max

40 °C

### Ambient operating temperature - min

-5 °C

### Built-in depth

200 mm

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

36 W

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

31 W

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

33 W

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

72 W

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

62 W

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

67 W

### Color

Light gray (RAL 7035, base)

Transparent, smoky gray (cover)

Gray

### Cover/door color

Transparent

### Cover/door model

Closed

### Cover/door type

None

Cover

Number of openings (flange plates)

5

Operating altitude without derating - max

2000 mm

Plate thickness (cabinet)

6 mm

Plate thickness (cover/door)

6 mm

RAL-number

7035

Surface resistance (IEC 60093)

10 T Ω

Width in number of modular spacings

17

Material

Halogen free

Non-reinforced polycarbonate (cover)

Glass-fibre reinforced polycarbonate (base)

Mounting method

Surface mounted (plaster)

Number of rows

0

Dielectric strength

30 kV/mm

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

Relative humidity

50 % (at 40 °C)

90 % (at 20 °C)

### Internal depth

200 mm

### Mean ambient operating temperature (24 hours)

35 °C

### Mounting depth with mounting plate

200 mm

### Nominal current

1600 A

### Number of conduit inlets

3

### Suitable for

Outdoor use

Lightning protection

### Mounting grid

25 mm (DIN 43660)

### Saline spray resistance

IEC 60068-2-11

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