

Eaton 097879

Catalog Number: 097879

Eaton xEnergy Safety Ci LV systems LV switchgear. Insulated enclosure, +knockouts, HxWxD=250x375x225mm

General specifications



Product Name	Catalog Number
Eaton xEnergy Safety Ci empty enclosure insulated	097879
	EAN
	4015080978794
Product Length/Depth	Product Height
225 mm	250 mm
Product Width	Product Weight
375 mm	2.355 kg
Compliances	Certifications
RoHS conform	EN 61439-2
	EN 62208

Product specifications

Used with

Eaton Switching and protection devices

Special features

With metric knockouts in all sides of the enclosure Include fixing straps for wall mounting Sealable cover fasteners Full-area knockouts in the sides can be converted to a distribution board enclosure Integrated pressure-relief mechanism for short-circuits

Type

Basic enclosure Individual 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.

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-003.eps](#)

[eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-010.eps](#)

[eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-013.eps](#)

[eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-003.eps](#)

[eaton-enclosures-xenergy-safety-ci-lv-systems-dimensions-004.eps](#)

Installation instructions

[05670392.pdf](#)

mCAD model

[ci43e_200.dwg](#)

[ci43e_200.stp](#)

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.

Surface finishing

Resistant to corrosion

Degree of protection

IP65

IK10

Other

Enclosure material

Plastic

Surface protection

Other

Chemical resistance

Partly resistant to: Acids > 10 %

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

Not resistant to: alkalis, benzene

Circuit integrity

Other

Unit type

Single unit

Built-in depth

200 mm

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

25 W

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

22 W

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

24 W

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

51 W

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

45 W

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

48 W

Color

Gray

Transparent, smoky gray (cover)

Light gray (RAL 7035, base)

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

Optional

None

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

Halogen free

Glass-fibre reinforced polycarbonate (base)

Non-reinforced polycarbonate (cover)

Mounting method

Surface mounted (plaster)

Number of rows

0

Functions

Extension possible

Temperature resistance

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

Temperature resistant: 80 °C (gasket)

Temperature resistant: 85 °C (enclosure bolt)

Flammability characteristics (UL)

V1 (base) (UL94)

V2 (cover) (UL94)

Protection class

II

Number of modules

1

Surface treatment

Resistant to corrosion

Internal depth

200 mm

Mounting depth with mounting plate

200 mm

Nominal current

1600 A

Number of conduit inlets

76

Suitable for

Outdoor use

Lightning protection



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