Specifications

Eaton 027019

Catalog Number: 027019

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



General specifications

Product Name
Eaton xEnergy Safety Ci empty enclosure insulated

Catalog Number
027019

EAN
4015080270195

Product Length/Depth
225 mm

Product Height
250 mm

Product Width
375 mm

Product Weight
2.203 kg

Compliances
RoHS conform

Certifications
EN 62208
EN 61439-2

Powering Business Worldwide

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

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

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

eaton-enclosures-mounting-xenergy-safety-ci-lv-systems-dimensions-003.eps

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

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

Installation instructions

05670392.pdf

mCAD model

ci43_200.stp

ci43_200.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

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

Partly resistant to: Acids > 10 %

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

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

Transparent

None

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

Non-reinforced polycarbonate (cover)

Halogen free

Glass-fibre reinforced polycarbonate (base)

Mounting method

Surface mounted (plaster)

Number of rows

0

Functions

Extension possible

Temperature resistance

Temperature resistant: 80 °C (gasket)

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

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

Lightning protection

Outdoor use

Saline spray resistance

IEC 60068-2-11



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