Specifications

Eaton 001893



Catalog Number: 001893

Eaton xEnergy Safety Ci LV systems LV switchgear. Base, individual enclosure, HxWxD=500x375x120mm

General specifications

Product Name
Eaton xEnergy Safety Ci empty enclosure base

Catalog Number
001893

EAN
4015080018933

Product Length/Depth
120 mm

Product Height
500 mm

Product Width
375 mm

Product Weight
4.999 kg

Compliances
RoHS conform

Certifications
EN 61439-2
EN 62208

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Product specifications

Special features

Flanges #024355 Distance frame for CI45... #110103 Metric cable entry knockouts in all sides Full-area knockouts in the sides

Type

Basic enclosure Enclosure bases xEnergy Safety Ci

Features

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

960 °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

IK10

10.2.7 Inscriptions

Meets the product standard's requirements.

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-base-dimensions-004.eps

eaton-enclosures-base-xenergy-safety-ci-3d-drawing-002.eps

Installation instructions

05670392.pdf

mCAD model

u_ci45e.dwg

u_ci45e.stp

10.3 Degree of protection of assemblies

IP65, with cover

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.

Accessory/spare part type

Individual enclosure bottoms

Degree of protection

IP65

Other

IK10

Enclosure material

Plastic

Surface protection

Other

Circuit integrity

Other

Base type

Full-area knockouts

Unit type

Modular system

Built-in depth

200 mm

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

27 W

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

24 W

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

25 W

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

53 W

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

48 W

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

51 W

Color

Gray

Cover/door model

Closed

Cover/door type

Optional

None

Number of openings (flange plates)

6

Plate thickness (cabinet)

6 mm

Plate thickness (cover/door)

6 mm

RAL-number

7035

Width in number of modular spacings

17

Cable entry type

2 x M20

Top and bottom

Transverse

6 x M25/16

8 x M25/16

2 x M40/25

On each 2:

1 x M50/32

Mounting method

Surface mounted (plaster)

Number of rows

0

Functions

Extension possible

Protection class

II

Number of modules

1

Internal depth

100 mm

Nominal current

1600 A

Number of conduit inlets

104

Suitable for

Lightning protection

Outdoor use

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