Specifications

Eaton 083880



Catalog Number: 083880

Eaton xEnergy Safety Ci LV systems LV switchgear. Base, HxWxD=750x375x120mm

General specifications

Product Name
Eaton xEnergy Safety Ci empty enclosure base

Catalog Number
083880

EAN
4015080838807

Product Length/Depth
150 mm

Product Height
750 mm

Product Width
375 mm

Product Weight
1.92 kg

Compliances
RoHS conform

Certifications
EN 62208
EN 61439-2

Powering Business Worldwide

Product specifications

Special features

Flanges #024355 Distance frame for CI45... #110103 Sides closed, but with full area knockout Open tip and bottom

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

40 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-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-base-xenergy-safety-ci-3d-drawing.eps

Installation instructions

05670392.pdf

mCAD model

u_ci48.stp

u_ci48.dwg

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

Bases for panel enclosures

Degree of protection

IK10

IP65

Other

Enclosure material

Plastic

Surface protection

Other

Circuit integrity

Other

Base type

Closed, with full area knockout

Unit type

Modular system

Built-in depth

250 mm

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

37 W

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

33 W

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

35 W

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

75 W

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

67 W

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

71 W

Color

Gray

Cover/door model

Closed

Cover/door type

None

Optional

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

Transverse

FL4... flange

Top and bottom

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

0

Suitable for

Lightning protection

Outdoor use

Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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