Specifications

Eaton 024646

Catalog Number: 024646

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Insulated enclosure, smooth sides, HxWxD=250x375x175mm



General specifications

Product Name
Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure

Catalog Number
024646

EAN
4015080246466

Product Length/Depth
175 mm

Product Height
250 mm

Product Width
375 mm

Product Weight
2.666 kg

Compliances
RoHS conform

Certifications
UL Listed
EN 62208
EN 61439-2

Powering Business Worldwide

Product specifications

Special features

Smooth side plates, without knockouts
Sealable cover fasteners
Include fixing straps for wall mounting

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;

Resources

Brochures

eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf

Certification reports

eaton-xeffect-ci-certificate-of-compliance-en-us.pdf

Drawings

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

eaton-enclosures-mounting-xenergy-safety-ci-lv-systems-dimensions-002.eps

eaton-enclosures-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

Installation instructions

05670392.pdf

Installation videos

xEffect CI stand-alone polycarbonate enclosure

mCAD model

ci43x_150.stp

ci43x_150.dwg

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.

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.

Frequency rating

50 to 60 Hz

Surface finishing

Resistant to corrosion

Degree of protection

IP65
IK10
Other

Enclosure material

Plastic

Surface protection

Other

Chemical resistance

Not resistant to: alkalis, benzene

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

Partly resistant to: Acids > 10 %

Circuit integrity

Other

Base type

Plain

Unit type

Stand-alone device

Built-in depth

150 mm

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

22 W

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

20 W

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

21 W

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

44 W

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

40 W

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

42 W

Color

Gray

Light gray (RAL 7035, base)

Transparent, smoky gray (cover)

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

Transparent

Optional

None

Number of openings (flange plates)

0

Plate thickness (cabinet)

9 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)

Glass-fibre reinforced polycarbonate (base)

Halogen free

Mounting method

Surface mounted (plaster)

Number of rows

0

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

Surface treatment

Resistant to corrosion

Internal depth

150 mm

Mounting depth with mounting plate

150 mm

Nominal current

1600 A

Number of conduit inlets

0

Suitable for

Lightning protection

Outdoor use

Saline spray resistance

IEC 60068-2-11

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