Specifications

Eaton 002249



Catalog Number: 002249

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Insulated enclosure, removable flanges equipped, HxWxD=421x421x225mm, NA type

General specifications

Product Name
Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure

Catalog Number
002249

EAN
4015080022497

Product Length/Depth
225 mm

Product Height
421 mm

Product Width
421 mm

Product Weight
3.976 kg

Compliances
UL 508A CSA-C22.2 No.94
IEC/EN62208
CE marking
RoHS conform

Certifications
UL508A
UL listed
UL (File No. E499317)
UL (Category Control Number NITW)
Specially designed for North America

Powering Business Worldwide

Product specifications

Used with

Industrial control panels

Special features

Fitted with removable smooth flanges on all 4 sides Fixing straps for wall fixing Sealable cover fasteners

Type

Basic enclosure Distribution board enclosures for North America Panel enclosures with cover and flanges 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

20 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

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-flanges-xeffect-ci-enclosure-dimensions-003.eps

eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-015.eps

eaton-enclosures-xenergy-safety-ci-lv-systems-dimensions-007.eps

eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-017.eps

Installation instructions

05670392.pdf

Installation videos

xEffect CI stand-alone polycarbonate enclosure

mCAD model

ci44_200_na.stp

ci44_200_na.dwg

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.

Surface finishing

Transparent, smoky gray (cover)

RAL 7035, light gray (base)

Climatic proofing

Damp heat, cyclic, to IEC 60068-2-30

Damp heat, constant, to IEC 60068-2-78

Creepage resistance

KB160, KC175 (base, to IEC 60112)

KB100, KC200 (cover, to IEC 60112)

Degree of protection

4X (NEMA)

UL/CSA Types 1, 12, 13, 4X, indoor only

IP65 (IEC)

IP65

IK10

Enclosure material

Plastic

Surface protection

Other

Circuit integrity

Other

Base type

Enclosure side plates with removable smooth flanges

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)

31 W

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

27 W

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

29 W

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

62 W

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

53 W

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

57 W

Color

Gray

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

Transparent

Optional

None

Number of openings (flange plates)

0

Plate thickness (cabinet)

6 mm

Plate thickness (cover/door)

6 mm

RAL-number

7035

Surface resistance (IEC 60093)

10 T Ω

Width in number of modular spacings

15

Ambient operating temperature details

-40 °C - 80 °C

Mounting method

Surface mounted (plaster)

Number of rows

0

Dielectric strength

30 kV/mm

Functions

Extension possible

Protection class

II

Number of modules

1

Internal depth

200 mm

Mounting depth

200 mm

Nominal current

1600 A

Number of conduit inlets

0

Suitable for

Outdoor use

Lightning protection

Saline spray resistance

IEC 60068-2-11



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