Specifications

Eaton 002250

Catalog Number: 002250

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Insulated enclosure, removable flanges equipped, HxWxD=421x421x275mm, NA type



General specifications

Product Name
Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure

Catalog Number
002250

EAN
4015080022503

Product Length/Depth
275 mm

Product Height
421 mm

Product Width
421 mm

Product Weight
4.238 kg

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

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

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

eaton-enclosures-xenergy-safety-ci-lv-systems-dimensions-008.eps

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

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

Installation instructions

05670392.pdf

Installation videos

xEffect CI stand-alone polycarbonate enclosure

mCAD model

ci44_250_na.stp

ci44_250_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, constant, to IEC 60068-2-78

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

Creepage resistance

KB160, KC175 (base, to IEC 60112)

KB100, KC200 (cover, to IEC 60112)

Degree of protection

IP65

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

IK10

4X (NEMA)

IP65 (IEC)

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

250 mm

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

34 W

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

29 W

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

32 W

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

69 W

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

59 W

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

64 W

Color

Gray

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

None

Optional

Transparent

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

250 mm

Mounting depth

225 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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