Specifications

Eaton 002224

Catalog Number: 002224

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Insulated enclosure, smooth sides, HxWxD=375x375x275mm, NA type



General specifications

Product Name
Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure

Catalog Number
002224

EAN
4015080022244

Product Length/Depth
275 mm

Product Height
375 mm

Product Width
375 mm

Product Weight
3.737 kg

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

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

Powering Business Worldwide

Product specifications

Used with

Industrial control panels

Special features

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

Type

Basic enclosure Individual enclosure for North America Individual enclosures with covers 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-enclosure-xenergy-safety-ci-lv-systems-dimensions-015.eps

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

Installation instructions

05670392.pdf

Installation videos

xEffect CI stand-alone polycarbonate enclosure

mCAD model

ci44x_250_na.stp

ci44x_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

Resistant to corrosion

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

IP65 (IEC)

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

4X (NEMA)

IP65

IK10

Enclosure material

Plastic

Surface protection

Other

Circuit integrity

Other

Base type

RAL 7035, smooth sides

Unit type

Stand-alone device

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

Transparent, smoky gray (cover)

Light gray (RAL 7035, base)

Gray

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

Optional

None

Transparent

Number of openings (flange plates)

0

Plate thickness (cabinet)

9 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

Protection class

II

Number of modules

1

Surface treatment

Resistant to corrosion

Internal depth

250 mm

Mounting depth

250 mm

Nominal current

1600 A

Number of conduit inlets

0

Suitable for

Lightning protection

Outdoor use

Saline spray resistance

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