Specifications

# Eaton 002254



## Catalog Number: 002254

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure. Insulated enclosure, removable flanges equipped, HxWxD=796x421x275mm, NA type

## General specifications

**Product Name**
Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure

**Catalog Number**
002254

**EAN**
4015080022541

**Product Length/Depth**
275 mm

**Product Height**
796 mm

**Product Width**
421 mm

**Product Weight**
6.999 kg

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

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

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## 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

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

## 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-014.eps

### Installation instructions

05670392.pdf

### Installation videos

xEffect CI stand-alone polycarbonate enclosure

### mCAD model

ci48_250_na.stp

ci48_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

RAL 7035, light gray (base)

Transparent, smoky gray (cover)

### Climatic proofing

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

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

### Creepage resistance

KB100, KC200 (cover, to IEC 60112)

KB160, KC175 (base, to IEC 60112)

### Degree of protection

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

IK10

IP65

IP65 (IEC)

13 (NEMA)

### 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)

52 W

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

44 W

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

48 W

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

105 W

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

88 W

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

96 W

Color

Gray

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

None

Transparent

Optional

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

17

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

250 mm

Nominal current

1600 A

Number of conduit inlets

0

Suitable for

Outdoor use

Lightning protection

Saline spray resistance

IEC 60068-2-11




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

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