

Eaton 019900

Catalog Number: 019900

Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure.
Insulated enclosure, smooth sides, HxWxD=250x375x150mm

General specifications



Product Name	Catalog Number
Eaton xEffect Ci Enclosures Switch- & Controlgear Enclosure	019900
	EAN
	4015080199007
Product Length/Depth	Product Height
150 mm	250 mm
Product Width	Product Weight
375 mm	2.523 kg
Compliances	Certifications
RoHS conform	EN 61439-2
	EN 62208

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;
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.

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-010.eps](#)

[eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-013.eps](#)

[eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-004.eps](#)

[eaton-enclosures-xenergy-safety-ci-lv-systems-dimensions-002.eps](#)

[eaton-enclosures-mounting-xenergy-safety-ci-lv-systems-dimensions.eps](#)

Installation instructions

[05670392.pdf](#)

Installation videos

[xEffect CI stand-alone polycarbonate enclosure](#)

mCAD model

[ci43x_125.stp](#)

[ci43x_125.dwg](#)

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

$U_i = 1000 \text{ V AC}$

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

Degree of protection

Other

IK10

IP65

Enclosure material

Plastic

Surface protection

Other

Chemical resistance

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

Not resistant to: alkalis, benzene

Partly resistant to: Acids > 10 %

Circuit integrity

Other

Base type

Plain

Unit type

Stand-alone device

Built-in depth

125 mm

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

20 W

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

18 W

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

19 W

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

41 W

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

37 W

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

39 W

Color

Transparent, smoky gray (cover)

Light gray (RAL 7035, base)

Gray

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

Optional

Transparent

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

Halogen free

Glass-fibre reinforced polycarbonate (base)

Non-reinforced polycarbonate (cover)

Mounting method

Surface mounted (plaster)

Number of rows

0

Temperature resistance

Temperature resistant: 80 °C (gasket)

Temperature resistant: 85 °C (enclosure bolt)

Temperature resistant: -40 °C - 120 °C (enclosure)

Flammability characteristics (UL)

V1 (base) (UL94)

V2 (cover) (UL94)

Protection class

II

Number of modules

1

Surface treatment

Resistant to corrosion

Internal depth

125 mm

Mounting depth with mounting plate

125 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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