Specifications

Eaton 111690

Catalog Number: 111690

Eaton xEffect CS LV systems Switch- & Controlgear Enclosure. Wall enclosure with mounting plate, HxWxD=500x400x250mm



General specifications

Product Name
Eaton xEffect CS enclosure single door

Catalog Number
111690

EAN
4015081112494

Product Length/Depth
250 mm

Product Height
500 mm

Product Width
400 mm

Product Weight
12.28 kg

Compliances
UL 508A; CSA-C22.2 No.14; IEC/EN 62208; CE marking
RoHS conform
UL CSA09 (may be provided with metal sub-panel, no back mounted components are allowed between sub-panel and the back sheet metal enclosure)

Certifications
In accordance with Directive 2015/863/EU of the European Parliament and Council
UL (File No. E336299)
UL (Category Control Number NITW)
IEC/EN 62208
UL CSA08 (request filed)

Catalog Notes
Foamed polyurethane sealing throughout. Impact resistance category IK10 to EN 62262. Sheet steel mounting plate. Bottom plate with foamed gasket. Single door, door stop on the right, door opening angle 120°. Door hinge pins with quick chang

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Product specifications

Used with

Industrial control panels

Special features

Bottom plate enclosed, foamed gasket, can be unscrewed for F3A-… flanges or for assembly by user
Foamed polyurethane sealing throughout.
Impact resistance category IK10 to EN 62262.
Sheet steel mounting plate
Bottom plate with foamed gasket.
Single door, door stop on the right, door opening angle 120°
Door hinge pins with quick change technology.
Lock, 3 mm double ward key
Including M6 threaded welded studs for earth conductor connections in the door
Side plates without apertures
Standardized locking system with sash fastener.
Powder coating RAL 7035 inside and outside
Top plate without apertures

Type

Wall-mounting housing CS
Wall-mounting housing with mounting plate

Features

Wall build in
Pole fastening

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the

Resources

Brochures

eaton-xeffect-cs-new-features-fl015002zu.pdf

Catalogs

eaton-xeffect-cs-enclosure-catalog-fk4300-1178gb-en-us.pdf

Certification reports

eaton-xeffect-cs-enclosure-declaration-of-conformity-en-us.pdf

Declarations of conformity

DA-DC-03_xEffect_CS

Installation instructions

IL2521

mCAD model

DA-CD-cs88_200

DA-CS-cs88_200_111690

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

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.5 Lifting

Does not apply to enclosures without lifting aids.

10.2.6 Mechanical impact

IK10

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

IP66

10.4 Clearances and creepage distances

Is the panel builder's responsibility.

10.5 Protection against electric shock

< 0.1 Ω; meets the product standard's requirements.

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

Does not apply to basic enclosures as defined in EN 62208.

10.9.4 Testing of enclosures made of insulating material

Does not apply to metal enclosures.

Fitted with:

Mounting plate

Including M6 threaded welded studs for earth conductor connections in the door:

Cover

Door

Surface finishing

Semi-textured

Powder coating

Structured powder spray polyester based paint finish

Gloss

Climatic proofing

Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30

Degree of protection

IEC: IP66, indoor; UL/CSA Types 1, 12, indoor only.

12 (NEMA)

IP66

IP23 (with ventilating plates)

IK10

IK10 (impact resistance)

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

39 W

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

33 W

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

36 W

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

80 W

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

69 W

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

74 W

Material quality

Other

Color

Gray

Light gray (RAL 7035)

Cover/door type

Door hinges on the right, can be converted by user

Door hinges right

Standard closure 3 mm double-ward key (door interlock)

Can be converted by user

Permissible load of the mounting plate according to IEC 62208 - max

2000 N

Number of hinges

2

Number of locks

2

RAL-number

7035

Thickness of mounting plate

2 mm

Weight of mounted components - max

225 kg

Ambient operating temperature details

-25 °C - 40 °C

Design type

Canted and seam welded, including two M6 threaded bolts for earth conductor connections inside the enclosure.

Material

Steel

Steel plate

Mounting method

9 mm drilling dimensions for wall mounting (Back plate)

Wall fastening

Intermediate mounting

Functions

Floor standing enclosure

Installation type

Floor standing wall model

Cover/door angle

120° door opening angle

Cover/door profile

2 door profiles

Installation site

Indoor installation

Flange plate dimensions

112 mm x 332 mm

Surface treatment

Structured powder spray polyester based paint finish

Heat diss. wall mount individual encl. top

39 W

Heat diss. wall mount middle encl. top

33 W

Heat diss. wall mount starting encl. top

36 W

Load capacity (door)

25 kg

Material thickness (body)

1.2 mm

Material thickness (bottom plate)

2 mm

Material thickness (door)

1.2 mm

Mounting plate height

470 mm

Mounting plate width

350 mm

Number of covers/doors

1

Number of F3A flanges

1

Load capacity (mounting plate)

200 kg

500 kg payload, when brackets fitted in all four enclosure corners (vertically or horizontally) and the weights are symmetrically distributed within the enclosure.

Suitable for

Metrical mounting

Mounting plate material

Sheet steel, hot-galvanized

Permissible load of the enclosure according to IEC 62208 - max

2250 N

Permissible load of the door(s) according to IEC 62208 - max

250 N

Thermal dissipation (Delta T = 20 K) according to IEC/TR 60890

39 W

Number of connector holes

0

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