Specifications

Eaton 002612



Catalog Number: 002612

Eaton xEnergy Safety Ci LV systems LV switchgear. MCB enclosure, +door, 3x9space units, HxWxD=375x250x150mm

General specifications

Product Name
Eaton xEnergy Safety Ci MCB enclosure

Catalog Number
002612

EAN
4015080026129

Product Length/Depth
150 mm

Product Height
250 mm

Product Width
375 mm

Product Weight
3.233 kg

Compliances
RoHS conform

Certifications
EN 61439-2
EN 62208

Powering Business Worldwide

Product specifications

Used with

Prepared enclosure
xEnergy Safety Ci
MCB individual enclosures

Special features

- Metric cable entry knockouts in all sides
- Housings for e.g. built-in devices MCB, RCD, RCBO, AFDD
- Transparent door for operator access to devices fitted
- Metal mounting rail for snapping on devices
- 1 x Blanking strip for unused mounting locations
- Protective shroud with inscription label
- PE/N combi-plug-in terminals
- Fixing straps for wall fixing
- Sealable cover fasteners

Type

- MCB individual enclosures
- Prepared enclosure
- xEnergy Safety Ci

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.

Resources

Brochures

eaton-xenergy-safety-ci-subway-line-success-story-en-us.pdf

eaton-xenergy-safety-ci-enclosure-brochure-br014001en-en-us.pdf

Catalogs

eaton-xenergy-ci-safety-catalog-ca015006en-en-us.pdf

Drawings

eaton-distribution-boards-enclosure-xenergy-safety-ci-mcb-enclosure-dimensions-002.eps

eaton-lighting-enclosure-xenergy-safety-ci-mcb-enclosure-dimensions-002.eps

Installation instructions

IL015090ZU

mCAD model

ae_i43e_t.stp

ae_i43e_t.dwg

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; meets the product standard's requirements.

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.

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.

Enclosure material

Plastic

Accessory/spare part type

MCB individual enclosures

Built-in height

0 mm

Built-in width

0 mm

Unit type

Stand-alone device

Built-in depth

100 mm

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

19 W

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

16 W

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

17 W

Closure type

Other

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

Transparent

Door

Single

RAL-number

7035

Width in number of modular spacings

9

Color

Gray

Number of rows

3

Number of module space units (total)

27

Degree of protection

IP65

Number and capacity of terminal (PE and N)

On each 3 x (2.5 - 25 mm²)

On each 21 x (0.5 - 4 mm²)

Functions

Prepared enclosure

Mounting method

DIN-rail

Surface mounted (plaster)

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

38 W

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

32 W

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

35 W

Internal depth

150 mm

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