Specifications

Eaton 029766



Catalog Number: 029766

Eaton xEnergy Safety Ci LV systems LV switchgear. MCB enclosure, 9HP, HxWxD=250x187.5x150mm

General specifications

Product Name
Eaton xEnergy Safety Ci MCB enclosure

Catalog Number
029766

EAN
4015080297666

Product Length/Depth
150 mm

Product Height
250 mm

Product Width
188 mm

Product Weight
1.764 kg

Compliances
RoHS conform

Certifications
EN 62208
EN 61439-2

Powering Business Worldwide

Product specifications

Special features

Metric cable entry knockouts in all sides
Housings for e.g. built-in devices MCB, RCD, RCBO, AFDD
Transparent cover with quick-release fasteners
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.

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.

Resources

Brochures

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

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

Catalogs

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

Drawings

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

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

Installation instructions

IL015090ZU

mCAD model

ae_i23e.dwg

ae_i23e.stp

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

5 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)

13 W

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

11 W

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

12 W

Closure type

Other

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

Door

Transparent

Single

RAL-number

7035

Width in number of modular spacings

9

Color

Gray

Number of rows

1

Number of module space units (total)

9

Degree of protection

IP65

Number and capacity of terminal (PE and N)

On each 7 x (0.5 - 4 mm²)

On each 1 x (2.5 - 25 mm²)

Functions

Prepared enclosure

Mounting method

Surface mounted (plaster)

DIN-rail

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

26 W

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

23 W

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

24 W

Internal depth

150 mm

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