Specifications

Eaton 020270

Catalog Number: 020270

Eaton xEnergy Safety Ci LV systems LV switchgear. Meter enclosure, HxWxD=375x375x225mm, IP65



General specifications

Product Name
Eaton xEnergy Safety Ci meter enclosure rail

Catalog Number
020270

EAN
4015080202707

Product Length/Depth
200 mm

Product Height
375 mm

Product Width
375 mm

Product Weight
3.5 kg

Compliances
RoHS conform

Powering Business Worldwide

Product specifications

Special features

Meter rail to DIN 43853 including meter fixing screws and nuts Metric cable entry knockouts in all sides Fixing straps for wall fixing Sealable cover fasteners

Type

Ci insulated enclosure Meter enclosures Prepared enclosures

Features

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

20 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

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

Catalogs

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

Drawings

eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-017.eps

eaton-distribution-boards-enclosure-xenergy-safety-ci-meter-enclosure-dimensions-003.eps

eaton-distribution-boards-enclosure-xenergy-safety-ci-meter-enclosure-dimensions-004.eps

eaton-enclosures-xenergy-safety-ci-lv-systems-dimensions-007.eps

eaton-enclosures-enclosure-xenergy-safety-ci-lv-systems-dimensions-015.eps

Installation instructions

05670392.pdf

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.

Fitted with:

Mounting plate

Accessory/spare part type

Meter enclosures

Meter rail

Degree of protection

Other

IP65

IK10

Enclosure material

Plastic

Surface protection

Other

Circuit integrity

Other

Unit type

Complete housing

Built-in depth

200 mm

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

34 W

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

30 W

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

32 W

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

31 W

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

27 W

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

29 W

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

68 W

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

60 W

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

64 W

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

62 W

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

53 W

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

57 W

Color

Gray

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

Optional

None

Transparent

Number of openings (flange plates)

4

Plate thickness (cabinet)

6 mm

Plate thickness (cover/door)

6 mm

RAL-number

7035

Width in number of modular spacings

15

Mounting method

Surface mounted (plaster)

Number of rows

0

Functions

Extension possible

Protection class

II

Number of modules

1

Internal depth

200 mm

Mounting depth

186 mm

Nominal current

1600 A

Number of conduit inlets

100

Suitable for

Outdoor use

Lightning protection



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