Specifications

Eaton 116666



Catalog Number: 116666

Eaton xEnergy Basic LV systems Low voltage switchgear. Surface-mount installation distribution board with rotary lever, IP55, HxWxD=1260x800x270mm

General specifications

Product Name
Eaton xEnergy Basic small distribution board

Catalog Number
116666

EAN
4015081164110

Product Length/Depth
300 mm

Product Height
1290 mm

Product Width
830 mm

Product Weight
40.3 kg

Compliances
RoHS conform

Powering Business Worldwide

Product specifications

Type

Basic device

Features

EMC-version

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

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Not relevant to indoor installations.

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

IP55

10.4 Clearances and creepage distances

Is the panel builder's responsibility.

Resources

Brochures

eaton-xenergy-basic-light-brochure-br014024-en-us.pdf

Catalogs

eaton-distribution-boards-xenergy-basic-catalog-ca014010en-en-us.pdf

Drawings

eaton-low-voltage-switch-gear-dimensions-1230dim-436.eps

Manuals and user guides

DA-MN-170900094

mCAD model

bpm_o_800_12_p.dwg

bpm_o_800_12_p.stp

Sales notes

eaton-f3a-flange-flyer-fl019005en-en-us.pdf

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 = 440 V AC

10.9.3 Impulse withstand voltage

4 kV

10.9.4 Testing of enclosures made of insulating material

Does not apply to metal enclosures.

Surface finishing

With powder coating

Enclosure material

Steel

Built-in height

1290 mm

Built-in width

830 mm

Built-in depth

300 mm

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

135 W

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

116 W

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

130 W

Closure type

Other

Cover/door model

Closed

Cover/door type

Door

Rotary lever

Single

RAL-number

7035

Width in number of modular spacings

35

Application

Moisture-proof (installation site)

Color

Light gray (RAL 7035)

Gray

Number of rows

7

Degree of protection

IP55

Functions

Basic device

Extension possible

Material

Sheet steel

Mounting method

Surface mounted (plaster)

Surface mounting

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

270 W

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

234 W

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

260 W

Internal depth

265 mm



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