Specifications

Eaton 240735



Catalog Number: 240735

Eaton xComfort BF LV systems Final Distribution Boards. Complete surface-mounted flat distribution board, white, 24 SU per row, 5 rows, type A

General specifications

Product Name
Eaton xComfort BF small distribution board

Catalog Number
240735

EAN
4015082407353

Product Length/Depth
150 mm

Product Height
910 mm

Product Width
555 mm

Product Weight
14.2 kg

Compliances
RoHS conform

Certifications
IEC/EN 61439-3
IEC/EN 61439-1
IEC/EN 62208

Powering Business Worldwide

Product specifications

Used with

Installation distribution board

BF flat distribution board

Basic device

Special features

IP30 Protection Class I Steel sheet enclosure white (RAL 9016)

Type

Basic device BF flat DBO Installation distribution boards

Features

EMC-version

Earthing terminal block

Neutral terminal block

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

IK07

Resources

Brochures

eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf

Catalogs

eaton-xcomfort-compact-distribution-catalog-ca015004en-en-us.pdf

Declarations of conformity

DA-DC-03_xComfort_BF

Drawings

eaton-xcomfort-bf-lv-systems-dimensions.eps

Installation instructions

eaton-xcomfort-bf-o-instruction-leafle-il170750701.pdf

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

IP30

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 = 415 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:

Door with three-point turn-lock

Front plates

DIN rail mounting frame

Cable gland plate inserts (top)

Enclosure

Neutral-/protective conductor terminal

Enclosure material

Steel

Built-in height

910 mm

Built-in width

555 mm

Cable entry postion

Cable entries on top and bottom

Terminal type

Screw terminals

Built-in depth

150 mm

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

59 W

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

53 W

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

56 W

Closure type

Other

Cover/door color

White

Cover/door model

Closed

Cover/door type

Door

Single

RAL-number

9016

Width in number of modular spacings

24

Ambient operating temperature details

-5 °C - 40 °C

Application

Indoor (installation site)

Voltage rating at AC

415 V AC

Color

White

Traffic white (RAL 9016)

Number of rows

5

Frequency rating of contacts

50 Hz / 60 Hz

Module rack type

Rail frame

Degree of protection

IK07 (impact resistance)

IP30

Number of module space units per row

24

Protection class

I (earthed)

Protective shrouding material

Metal

Functions

Basic device

Material

Sheet steel, powder-coated

Mounting method

Surface mounted (plaster)

Surface mounting

DIN-rail

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

118 W

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

107 W

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

112 W

Internal depth

131 mm

PE and N terminal number and cross section

PE: 2 x 25 mm² + 58 x 16 mm²

N: 2 x 25 mm² + 9 x 16 mm²



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