Specifications

Eaton 283031



Catalog Number: 283031

Eaton xComfort BF LV systems Final Distribution Boards. Complete surface-mounted flat distribution board, white, 24 SU per row, 3 rows, type C

General specifications

Product Name
Eaton xComfort BF small distribution board

Catalog Number
283031

EAN
4015082830311

Product Length/Depth
620 mm

Product Height
145 mm

Product Width
565 mm

Product Weight
10.4 kg

Compliances
RoHS conform

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

Powering Business Worldwide

Product specifications

Used with

Basic device

Installation distribution board

BF flat distribution board

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:

Cable gland plate inserts (top)
Door with three-point turn-lock
Front plates
Neutral-/protective conductor terminal
DIN rail mounting frame
Enclosure

Enclosure material

Steel

Built-in height

145 mm

Built-in width

565 mm

Cable entry postion

Cable entries on top and bottom

Terminal type

Screw terminals

Built-in depth

620 mm

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

44 W

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

41 W

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

42 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

Traffic white (RAL 9016)

White

Number of rows

3

Frequency rating of contacts

50 Hz / 60 Hz

Module rack type

Rail frame

Degree of protection

IP30

IK07 (impact resistance)

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 mounting

DIN-rail

Surface mounted (plaster)

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

89 W

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

81 W

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

85 W

Internal depth

131 mm

PE and N terminal number and cross section

N: 2 x 25 mm² + 43 x 16 mm²

PE: 2 x 25 mm² + 43 x 16 mm²



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