

Eaton 283033

Catalog Number: 283033

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

General specifications

Product Name	Catalog Number
Eaton xComfort BF small distribution board	283033
	Model Code
	BF-O-5/120-C
EAN	Product Length/Depth
4015082830335	150 mm
Product Height	Product Width
910 mm	555 mm
Product Weight	Compliances
14.2 kg	RoHS conform
Certifications	
IEC/EN 61439-3	
IEC/EN 61439-1	
IEC/EN 62208	



Product specifications

10.11 Short-circuit rating

Is the panel builder's responsibility.

RAL-number

9016

10.4 Clearances and creepage distances

Is the panel builder's responsibility.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility.

Mounting method

Surface mounted (plaster)

Surface mounting

DIN-rail

10.2.5 Lifting

Does not apply to enclosures without lifting aids.

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

Fitted with:

DIN rail mounting frame

Enclosure

Front plates

Neutral-/protective conductor terminal

Door with three-point turn-lock

Cable gland plate inserts (top)

10.8 Connections for external conductors

Is the panel builder's responsibility.

Cover/door model

Closed

Module rack type

Rail frame

Special features

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

Cable entry postion

Cable entries on top and bottom

Built-in width

555 mm

Color

Traffic white (RAL 9016)

Resources

Brochures

[eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf](#)

Catalogues

[eaton-xcomfort-compact-distribution-catalog-ca015004en-en-us.pdf](#)

Certification reports

[DA-DC-03_xComfort_BF](#)

Drawings

[eaton-xcomfort-bf-lv-systems-dimensions.eps](#)

Installation instructions

[eaton-xcomfort-bf-o-instruction-leaflet-il170757001-z.pdf](#)

White

Built-in depth

150 mm

Features

EMC-version

Earthing terminal block

Neutral terminal block

10.9.3 Impulse withstand voltage

Does not apply to basic enclosures as defined in EN 62208.

10.6 Incorporation of switching devices and components

Is the panel builder's responsibility.

Built-in height

910 mm

10.5 Protection against electric shock

$< 0.1 \Omega$; meets the product standard's requirements.

Cover/door color

White

Used with

Installation distribution board

Basic device

BF flat distribution board

Number of module space units per row

24

Cover/door type

Door

Single

10.13 Mechanical function

Meets the product standard's requirements.

10.2.6 Mechanical impact

IK07

10.9.4 Testing of enclosures made of insulating material

Does not apply to metal enclosures.

10.3 Degree of protection of assemblies

IP30

Application

Indoor (installation site)

Internal depth

131 mm

Closure type

Other

Protective shrouding material

Metal

Voltage rating at AC

415 V AC

Frequency rating of contacts

50 Hz / 60 Hz

Number of rows

5

Protection class

I (earthed)

Width in number of modular spacings

24

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

112 W

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.

10.9.2 Power-frequency electric strength

$U_i = 415 \text{ V AC}$

Degree of protection

IP30

IK07 (impact resistance)

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:35°C wall mount individ. encl. top (IEC 60890)

118 W

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

Heat diss. ambient 35°C delta T: 35°C wall mount middle encl.

[top \(IEC 60890\)](#)

107 W

[10.10 Temperature rise](#)

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

[Functions](#)

Basic device

[Material](#)

Sheet steel, powder-coated

[Ambient operating temperature details](#)

-5 °C - 40 °C

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

56 W

[Enclosure material](#)

Steel

[Type](#)

Basic device BF flat DBO Installation distribution boards

[10.2.2 Corrosion resistance](#)

Meets the product standard's requirements.

[10.2.4 Resistance to ultra-violet \(UV\) radiation](#)

Not relevant to indoor installations.

[10.2.7 Inscriptions](#)

Meets the product standard's requirements.

[Terminal type](#)

Screw terminals

[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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30 Pembroke Road
Dublin 4, Ireland
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