

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	Catalog Number
Eaton xComfort BF small distribution board	283031
	Model Code
	BF-O-3/72-C
EAN	Product Length/Depth
4015082830311	620 mm
Product Height	Product Width
145 mm	565 mm
Product Weight	Compliances
10.4 kg	RoHS conform
Certifications	
IEC/EN 61439-3	
IEC/EN 61439-1	
IEC/EN 62208	



Delivery program

Type

Basic device BF flat DBO Installation distribution boards

Application

Indoor (installation site)

Color

Traffic white (RAL 9016)

White

Technical data - electrical

Voltage rating at AC

415 V AC

Frequency rating of contacts

50 Hz / 60 Hz

Technical data - mechanical

Closure type

Other

Enclosure material

Steel

Width in number of modular spacings

24

Mounting method

Surface mounting

DIN-rail

Surface mounted (plaster)

Material

Sheet steel, powder-coated

Degree of protection

IP30

IK07 (impact resistance)

Number of module space units per row

24

Number of rows

3

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

Built-in depth

620 mm

Built-in height

145 mm

Built-in width

565 mm

Internal depth

131 mm

Cable entry postion

Cable entries on top and bottom

Cover/door color

White

Cover/door model

Closed

Cover/door type

Door

Single

Module rack type

Rail frame

Protective shrouding material

Metal

Temperature-rise verification as per IEC 60890

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

81 W

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 starting encl. top (IEC 60890)

42 W

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 starting encl. top (IEC 60890)

85 W

Design verification as per IEC/EN 61439 - technical data

Ambient operating temperature details

-5 °C - 40 °C

Design verification as per IEC/EN 61439

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

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

$< 0.1 \text{ } \Omega$; 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

$U_i = 415 \text{ V AC}$

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.

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.

Additional information

Features

EMC-version

Earthing terminal block

Neutral terminal block

Fitted with:

Cable gland plate inserts (top)

Door with three-point turn-lock

Front plates

Neutral-/protective conductor terminal

DIN rail mounting frame

Enclosure

Functions

Basic device

Protection class

I (earthed)

RAL-number

9016

Special features

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

Used with

Basic device

Installation distribution board

BF flat distribution board

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](#)



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