

Eaton 283051

Catalog Number: 283051

Eaton xComfort BF LV systems Final Distribution Boards.
Complete flush-mounted flat distribution board, white, 24 SU per row, 6 rows, type C



General specifications

Product Name	Catalog Number
Eaton xComfort BF small distribution board	283051
	Product Length/Depth
	1100 mm
Product Height	Product Width
160 mm	605 mm
Product Weight	Compliances
18.1 kg	RoHS conform
Certifications	EAN
IEC/EN 62208	4015082830519
IEC/EN 61439-1	Model Code
IEC/EN 61439-3	BF-U-6/144-C

Product specifications

10.11 Short-circuit rating

Is the panel builder's responsibility.

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

124 W

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

Flush mounted (plaster)

Hollow wall

Hollow-wall mounting and flush mounting

DIN-rail

Flush mounting

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:

Door with three-point turn-lock

Front plates

Neutral-/protective conductor terminal

Wall trough with door frame

DIN rail mounting frame

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

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-003.eps](#)

Installation instructions

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

Built-in width

560 mm

Color

Traffic white (RAL 9016)

White

Built-in depth

127 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

1020 mm

10.5 Protection against electric shock

< 0.1 Ω ; meets the product standard's requirements.

Cover/door color

White

Used with

Basic device

BF flat distribution board

Installation 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)

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

62 W

Internal depth

127 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

6

Protection class

I (earthed)

Width in number of modular spacings

24

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)

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

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

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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