

# Eaton 283050

Catalog Number: 283050

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



## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton xComfort BF small distribution board	283050
	<b>Product Length/Depth</b>
	140 mm
<b>Product Height</b>	<b>Product Width</b>
930 mm	600 mm
<b>Product Weight</b>	<b>Compliances</b>
14.46 kg	RoHS conform
<b>Certifications</b>	<b>EAN</b>
IEC/EN 61439-1	4015082830502
IEC/EN 61439-3	
IEC/EN 62208	<b>Model Code</b>
	BF-U-5/120-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)

110 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 mounting

Hollow-wall mounting and flush mounting

DIN-rail

Flush mounted (plaster)

Hollow wall

### 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

Wall trough with door frame

Neutral-/protective conductor terminal

Door with three-point turn-lock

Front plates

### 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

870 mm

#### 10.5 Protection against electric shock

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

#### Cover/door color

White

#### Used with

Basic device

Installation distribution board

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)

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

55 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

5

## 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 mm<sup>2</sup> + 43 x 16 mm<sup>2</sup>

PE: 2 x 25 mm<sup>2</sup> + 43 x 16 mm<sup>2</sup>



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