

# 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

Foto je reprezentativní

## General specifications

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

### Built-in depth

620 mm

### Built-in height

145 mm

### Built-in width

565 mm

Internal depth

131 mm

Cable entry position

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  $\Omega$ ; 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

## Zdroje

### Brožury

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

### Certifikáty

[DA-DC-03\\_xComfort\\_BF](#)

### Instalační návody

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

### Výkresy

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



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