Specifications

# Eaton 302415



## Catalog Number: 302415

Eaton xComfort KLV LV systems Final Distribution Boards. Compact distribution board-flush mounting, 5-rows, 60MU, super-flat sheet steel door, UPS-SF

### General specifications

**Product Name**
Eaton xComfort KLV energy distribution board

**Catalog Number**
302415

**EAN**
9010238160835

**Product Length/Depth**
100 mm

**Product Height**
840 mm

**Product Width**
360 mm

**Product Weight**
6.93 kg

**Compliances**
RoHS conform

**Certifications**
IEC/EN 60670-24 (PD)
IEC/EN 62208

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## Product specifications

### Used with

Basic device

KLV energy

Installation distribution boards

### Special features

IP30 Protection Class II Plastic enclosure with sheet steel door, white (RAL 9016)

### Type

Basic device Installation distribution boards KLV energy

### 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.

### 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

650 °C; 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

IK05

### 10.2.7 Inscriptions

Meets the product standard's requirements.

## Resources

### Brochures

eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf

### Catalogs

eaton-xcomfort-compact-distribution-catalog-ca015004en-en-us.pdf

### Declarations of conformity

DA-DC-03_xComfort_KLV

DA-DC-03_KLV-36-F-2PXF-16PLI

### Drawings

eaton-lighting-xcomfort-klv-lv-systems-dimensions-009.eps

eaton-lighting-xcomfort-klv-lv-systems-dimensions-016.eps

eaton-lighting-xcomfort-klv-lv-systems-dimensions-1230DIM-433.eps

### Installation instructions

IL014007ZU

eaton-compact-distribution-board-klv-il014009zu.pdf

### Installation videos

New xComfort KLV 5-row series

### 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

Protection class 2, therefore not applicable.

### 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

Ui = 400 V AC

### 10.9.3 Impulse withstand voltage

4 kV

### 10.9.4 Testing of enclosures made of insulating material

Meets the product standard's requirements.

### Fitted with:

Front cover
Door/Frame
Cable retainer
3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm
Nail lugs
Spirit level for leveling
Installation instructions
Wall trough
Imprintable sheet
Device support rails
Neutral and protective conductor terminals with SK screw terminal technology

### Enclosure material

Plastic

### Built-in height

0 mm

### Built-in width

0 mm

### Cable entry postion

Cable entries on top and bottom, side, back plate

Terminal type

Screw terminals

Built-in depth

80 mm

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

28 W

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

58 W

Closure type

Other

Cover/door color

White

Cover/door model

With notch

Cover/door type

Door

Single

RAL-number

9016

Width in number of modular spacings

12

Ambient operating temperature details

-5 °C - 40 °C

Application

Indoor

Voltage rating at AC

400 V AC

Color

White

Traffic white (RAL 9016)

Number of rows

5

Frequency rating of contacts

50 Hz

Module rack type

Rail frame

### Degree of protection

IK05

IP30

### Number of module space units per row

12

### Protection class

II (totally insulated)

### Protective shrouding material

Plastic

### Functions

Extension possible

Basic device

### Material

Sheet steel, powder-coated

Polystyren (plastic)

### Mounting method

DIN-rail

Flush mounted (plaster)

Flush mounting

### Internal depth

80 mm

### PE and N terminal number and cross section

N: 25 x (0.75 mm² - 16 mm²)

PE: 25 x (0.75 mm² - 16 mm²)

N - Fi: 2 x (0.75 mm² - 16 mm²) + 2 x (0.75 mm² - 25 mm²)

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