Specifications

# Eaton 302418



## Catalog Number: 302418

Eaton xComfort KLV LV systems Final Distribution Boards. Compact distribution board-flush mounting, multimedia, 5-rows, flat sheet steel door

### General specifications

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

**Catalog Number**
302418

**EAN**
9010238160866

**Product Length/Depth**
100 mm

**Product Height**
840 mm

**Product Width**
360 mm

**Product Weight**
6.97 kg

**Compliances**
RoHS conform

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

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## Product specifications

### Special features

IP30Protection Class IIPlastic enclosure with sheet steel door, white (RAL 9016)Note: To obtain protection class II, all devices installed on the mounting plate must be of the fully insulated type.

### Type

Basic deviceInstallation distribution boardsKLV multimedia

### 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.

### 10.3 Degree of protection of assemblies

IP30

## 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-016.eps

eaton-lighting-xcomfort-klv-lv-systems-dimensions-010.eps

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

### Installation instructions

eaton-compact-distribution-board-klv-il014008zu.pdf

IL014007ZU

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

### Installation videos

New xComfort KLV 5-row series

### 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:

Nail lugs
Microperforated mounting plate
2x single-way socket outlet
Cable retainer
Door/Frame
3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm
Installation instructions
Wall trough
Device holder
Device support rails
Spirit level for leveling

### Cable entry postion

Cable entries on top and bottom, side, back plate

### 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

### Cover/door color

White

### Ambient operating temperature details

-5 °C - 40 °C

Application

Indoor

Voltage rating at AC

230 V AC

Color

White

Traffic white (RAL 9016)

Number of rows

5

Frequency rating of contacts

50 Hz

Module rack type

Media mounting plate

Degree of protection

IP30

Other

IK05

Number of module space units per row

12

Protection class

II (totally insulated)

Protective shrouding material

Without shroud for protection against accidental contact

Functions

Basic device

Material

Sheet steel, powder-coated

Polystyren (plastic)

Steel plate/plastic

Mounting method

DIN-rail

Flush mounting

Flush mounted (plaster)

DIN-compatible

Number of cores (dual) - max

12

Number of mountable connection strips

12

Model

Wall-mounted distributor

Mounting dimension

Other

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