Specifications

Eaton 302420



Catalog Number: 302420

Eaton xComfort KLV LV systems Final Distribution Boards. Hollow wall compact distribution board, multimedia, 5-rows, flat sheet steel door

General specifications

Product Name
Eaton xComfort KLV multimedia distribution board

Catalog Number
302420

EAN
9010238160934

Product Length/Depth
100 mm

Product Height
840 mm

Product Width
360 mm

Product Weight
6.97 kg

Compliances
RoHS conform

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

Powering Business Worldwide

Product specifications

Special features

IP30 Protection Class II Plastic 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 device Installation distribution boards KLV 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

850 °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_KLV-36-F-2PXF-16PLI

DA-DC-03_xComfort_KLV

Drawings

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

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

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

Installation instructions

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

IL014007ZU

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:

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

IK05

IP30

NEMA Other

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

Steel plate/plastic

Sheet steel, powder-coated

Polystyren (plastic)

Mounting method

DIN-rail

Hollow-wall mounting

Hollow wall

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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