Specifications

Eaton 302414



Catalog Number: 302414

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

General specifications

Product Name
Eaton xComfort KLV energy distribution board

Catalog Number
302414

EAN
9010238160828

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

Powering Business Worldwide

Product specifications

Used with

KLV energy

Basic device

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_KLV-36-F-2PXF-16PLI

DA-DC-03_xComfort_KLV

Drawings

eaton-lighting-xcomfort-klv-lv-systems-dimensions-008.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
Installation instructions
3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm
Device support rails
Door/Frame
Wall trough
Spirit level for leveling
Neutral and protective conductor terminals with SK screw terminal technology
Imprintable sheet
Cable retainer
Nail lugs

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

Traffic white (RAL 9016)

White

Number of rows

5

Frequency rating of contacts

50 Hz

Module rack type

Rail frame

Degree of protection

IP30

IK05

Number of module space units per row

12

Protection class

II (totally insulated)

Protective shrouding material

Plastic

Functions

Basic device

Extension possible

Material

Polystyren (plastic)

Sheet steel, powder-coated

Mounting method

DIN-rail

Flush mounting

Flush mounted (plaster)

Internal depth

80 mm

PE and N terminal number and cross section

PE: 25 x (0.75 mm² - 16 mm²)

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

N: 25 x (0.75 mm² - 16 mm²)

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