Specifications

Eaton 194711

Catalog Number: 194711

Eaton xComfort KLV LV systems Final Distribution Boards. Assembled compact distribution board, 4-rows, flush sheet steel door



General specifications

Product Name
Eaton xComfort KLV pre-wired distribution board

Catalog Number
194711

EAN
9010238060500

Product Length/Depth
96.5 mm

Product Height
714 mm

Product Width
359 mm

Product Weight
8.278 kg

Compliances
RoHS conform

Certifications
IEC/EN 61439-3

Powering Business Worldwide

Product specifications

Special features

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

Type

Basic device Installation distribution boards KLV energy

Voltage rating

400 V AC

Features

Protection dual RCD

Protection high integrity

Protection main switch

Protection incoming RCD

Protection split load

10.10 Temperature rise

The requirements of the product standard have been met.

10.11 Short-circuit rating

The requirements of the product standard have been met.

10.12 Electromagnetic compatibility

The requirements of the product standard have been met.

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

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

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

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

DA-DC-03_KLV-PW-48-1PXL-1SPD-2PFIM-16PLI_121119.pdf

DA-DC-03_KLV-PW-48-1PXL-1SPD-2PXF-16PLI_050218.pdf

Drawings

eaton-lighting-xcomfort-klv-lv-systems-dimensions-007.eps

eaton-lighting-xcomfort-klv-lv-systems-dimensions-005.eps

eCAD model

ETN.KLV-PW-48-1PXL-1SPD-2PXF-16PLI.edz

Installation instructions

IL014007ZU

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

Installation videos

New xComfort KLV 5-row series

Wiring diagrams

eaton-wiring-diagram-194711.pdf

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

IP30

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.5 Protection against electric shock

Protection class 2, therefore not applicable.

10.6 Incorporation of switching devices and components

The requirements of the product standard have been met.

10.7 Internal electrical circuits and connections

The requirements of the product standard have been met.

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:

Cable retainer
Wired and tested in conformity with EN 61439-3
Door/Frame
Front cover
Nail lugs
Neutral and protective conductor terminals with KSK plug-in terminal technology
2 residual current circuit-breaker PXF-40/4/003-A
Imprintable sheet
Installation instructions
1 surge protective device SPCT2-335-3+NPE
Wall trough
3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm
1 miniature circuit breaker PXL-C40/3
Device support rails
Empty section cover
Spirit level for leveling
16 Miniature circuit breaker PLI-B16/1

Frequency rating

50 Hz

Enclosure material

Plastic

Cable entry postion

Cable entries on top and bottom, side, back plate

Type of over voltage protection device

Type 2

Terminal type

Screw terminals + Plug-in terminals

Built-in depth - max

0 mm

Current rating of main switch

32 A

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

45 W

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

48 W

Number of circuit breakers (earth leakage)

0

Number of direct groups

2

Number of groups (total)

0

Closure type

Other

Cover/door color

White

Number of groups behind earth leakage switch

2

Number of light groups protected by 30 mA

0

Number of phases

3

Number of poles at main switch

3

Number of switches (earth leakage 30 mA)

2

Width in number of modular spacings

12

Ambient operating temperature details

-5 °C - 40 °C

Application

Indoor (installation site)

Number of switches (earth leakage 300 mA)

0

Color

Traffic white (RAL 9016)

White

Number of rows

4

Frequency rating of contacts

50 Hz

Cooker group

None

Installation type

Hollow-wall mounting and flush mounting

Module rack type

Rail frame

Degree of protection

IK05 (impact resistance)

IP30

Number of module space units per row

12

Protection class

II (totally insulated)

Protective shrouding material

Plastic

Rocker color

White

Functions

Over voltage protection

Basic device

Protected by

Miniature- / earth leakage circuit breaker

Material

Polystyren (plastic)

Sheet steel, powder-coated

Mounting method

Hollow-wall mounting and flush mounting

Hollow wall

Flush mounted (plaster)

Flush mounting

PE and N terminal number and cross section

N: 4 x (2.5 mm² - 25 mm²) + 28 x (0.5 mm² - 4 mm²)

PE: 4 x (2.5 mm² - 25 mm²) + 28 x (0.5 mm² - 4 mm²)

Number of arc fault detection devices AFDD

0

Built-in depth - min

0 mm

Number of outgoing ways

16

Built-in height

45 mm

Built-in width

251 mm

RAL-number

9016

Type of covering

Door

Power consumption

0 W

Release characteristic

B

Rated short-circuit breaking capacity (EN 60898) at 230 V

10 kA

Number of single-phase miniature circuit breakers (MCB)

16

Number of three-phase miniature circuit breakers (MCB)

1



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