

Eaton 188253

Catalog Number: 188253

Eaton xComfort KLV LV systems Final Distribution Boards.
Assembled hollow-wall compact distribution board, 3-row, flush
sheet steel door



General specifications

Product Name	Catalog Number
Eaton xComfort KLV pre-wired distribution board	188253
	EAN
	4015081861194
Product Length/Depth	Product Height
100 mm	590 mm
Product Width	Product Weight
360 mm	13.2 kg
Compliances	Certifications
RoHS conform	IEC/EN 60670-24
	IEC/EN 62208

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 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

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_KLV-36-F-2PXF-16PLI_101016.pdf](#)

[DA-DC-03_xComfort_KLV](#)

Drawings

[eaton-lighting-xcomfort-klv-lv-systems-dimensions-003.eps](#)

[eaton-lighting-xcomfort-klv-lv-systems-dimensions-007.eps](#)

Installation instructions

[IL014007ZU](#)

[eaton-compact-distribution-board-klv-il014009zu.pdf](#)

Installation videos

[New xComfort KLV 5-row series](#)

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

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

$U_i = 400 \text{ V AC}$

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:

12 SU empty section cover

Linked to eight PLI-B16/1's, wired to 5-terminal block

2 rows, each equipped with one PXF-40/4/003-A

Imprintable sheet

Door/Frame

Spirit level for leveling

Installation instructions

Device support rails

Wall trough

Neutral and protective conductor terminals with KSK plug-in terminal technology

Front cover

Cable retainer

Nail lugs

Wired and tested in conformity with EN 61439-3

3D adjustment element for mounting designed to adjust the mounting depth by up to 18 mm

Frequency rating

50 Hz

Enclosure material

Plastic

Cable entry position

Cable entries on top and bottom, side, back plate

Terminal type

Screw terminals

Built-in depth - max

0 mm

Current rating of main switch

0 A

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

20 W

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

43 W

Number of circuit breakers (earth leakage)

0

Number of direct groups

2

Number of groups (total)

16

Closure type

Other

Cover/door color

White

Number of groups behind earth leakage switch

16

Number of light groups protected by 30 mA

2

Number of phases

3

Number of poles at main switch

0

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

3

Frequency rating of contacts

50 Hz

Cooker group

None

Installation type

Hollow-wall 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

Basic device

Extension possible

Protected by

Miniature- / earth leakage circuit breaker

Material

Polystyren (plastic)

Sheet steel, powder-coated

Mounting method

Hollow wall

Hollow-wall 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)

0



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