

# Eaton 189575

Catalog Number: 189575

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



## General specifications

Product Name	Catalog Number
Eaton xComfort KLV pre-wired distribution board	189575
	EAN
	4015081874606
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

650 °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\\_xComfort\\_KLV](#)

[DA-DC-03\\_KLV-36-F-2PXF-16PLI\\_101016.pdf](#)

### Drawings

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

[eaton-lighting-xcomfort-klv-lv-systems-dimensions-003.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

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

Nail lugs

Wired and tested in conformity with EN 61439-3

Door/Frame

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

Device support rails

Installation instructions

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

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

Cable retainer

Wall trough

Front cover  
Imprintable sheet  
Spirit level for leveling

Frequency rating

50 Hz

Enclosure material

Plastic

Cable entry postion

Cable entries on top and bottom, side, back plate

Terminal type

Plug-in 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

Flush mounting

Module rack type

Rail frame

Degree of protection

IP30

IK05 (impact resistance)

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

Flush mounting

Flush mounted (plaster)

#### PE and N terminal number and cross section

PE: 4 x (2.5 mm<sup>2</sup> - 25 mm<sup>2</sup>) + 28 x (0.5 mm<sup>2</sup> - 4 mm<sup>2</sup>)

N: 4 x (2.5 mm<sup>2</sup> - 25 mm<sup>2</sup>) + 28 x (0.5 mm<sup>2</sup> - 4 mm<sup>2</sup>)

#### 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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