

# Eaton 174196

Catalog Number: 174196

Eaton xComfort IKA LV systems Final Distribution Boards. IKA professional distribution board, IP65 + clamps, 1/8-ST

## General specifications



Product Name	Catalog Number
Eaton xComfort IKA professional series	174196
EAN	Product Length/Depth
4015081706587	115 mm
Product Height	Product Width
231 mm	238 mm
Product Weight	Compliances
0.92 kg	RoHS conform
Certifications	Model Code
EN 62208	IKA-1/8-ST
IEC/EN 60670-24	

### Special features

IP65 Protection Class II Plastic enclosure gray (RAL 7035)

### Type

Basic device IKA professional distribution board Installation distribution board

#### 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

IK08

#### 10.2.7 Inscriptions

Meets the product standard's requirements.

### 10.3 Degree of protection of assemblies

IP65

### 10.4 Clearances and creepage distances

Is the panel builder's responsibility.

### Broschyrer

[eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf](#)

### Certifieringsrapporter

[DA-DC-03\\_IKA-PWVAS](#)

[DA-DC-03\\_xComfort\\_IKA](#)

### Installationsanvisningar

[IL014003Z](#)

### Ritningar

[eaton-lighting-enclosure-xcomfort-ika-lv-systems-dimensions-014.eps](#)

[eaton-lighting-enclosure-xcomfort-ika-lv-systems-dimensions-005.eps](#)

#### 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

$U_i = 1000 \text{ V AC}$

#### 10.9.3 Impulse withstand voltage

3.3 kV

#### 10.9.4 Testing of enclosures made of insulating material

Meets the product standard's requirements.

#### Fitted with:

Sealing caps

Basic device

Device support rails

Neutral-/protective conductor terminal

Locking screws can be sealed

Current circuit designation

#### Used with

Installation distribution board

Basic device

IKA professional distribution board

#### Enclosure material

Plastic

#### Built-in height

0 mm

#### Built-in width

0 mm

#### Cable entry position

Metric cable entries on top and bottom, back plate

#### Terminal type

Screw terminals

#### Built-in depth

70 mm

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

14 W

Closure type

Other

Cover/door color

Transparent

Cover/door model

With notch

Cover/door type

Door

Single

RAL-number

7035

Width in number of modular spacings

8

Ambient operating temperature details

-25 °C - 40 °C

Application

Indoor (installation site)

Voltage rating at AC

415 V AC

Color

Gray

Light gray (RAL 7035)

Number of rows

1

Frequency rating of contacts

50 Hz

Module rack type

Single-rail

Degree of protection

IP65

IK08 (impact resistance)

Number of module space units per row

8

Protection class

II (totally insulated)

Protective shrouding material

Plastic

## Functions

Basic device

Extension possible

## Material

ABS (plastic)

## Mounting method

Surface mounted (plaster)

Surface mounting

DIN-rail

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

29 W

## Internal depth

60 mm

## PE and N terminal number and cross section

PE: 4 x (2.5 mm<sup>2</sup> - 6 mm<sup>2</sup>) + 4 x (4 mm<sup>2</sup> - 10 mm<sup>2</sup>) + 1 x (16 mm<sup>2</sup> - 35 mm<sup>2</sup>)

N: 4 x (2.5 mm<sup>2</sup> - 6 mm<sup>2</sup>) + 4 x (4 mm<sup>2</sup> - 10 mm<sup>2</sup>) + 1 x (16 mm<sup>2</sup> - 35 mm<sup>2</sup>)



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