

Eaton 174198

Catalog Number: 174198

Eaton xComfort IKA LV systems Final Distribution Boards. IKA professional distribution board, IP65 + clamps, 2/24-ST



General specifications

Product Name	Catalog Number
Eaton xComfort IKA professional series	174198
EAN	Product Length/Depth
4015081706600	145 mm
Product Height	Product Width
436 mm	310 mm
Product Weight	Compliances
2.7 kg	RoHS conform
Certifications	Model Code
EN 62208	IKA-2/24-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-007.eps](#)

[eaton-lighting-enclosure-xcomfort-ika-lv-systems-dimensions-016.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:

Current circuit designation

Neutral-/protective conductor terminal

Reserve section cover 6 space units

Locking screws can be sealed

Device support rails

Basic device

Sealing caps

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, side, back plate

Terminal type

Screw terminals

Built-in depth

70 mm

Heat diss. ambient 35°C delta T:20°C wall mount individ. incl.

top (IEC 60890)

30 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

12

Ambient operating temperature details

-25 °C - 40 °C

Application

Indoor (installation site)

Voltage rating at AC

415 V AC

Color

Light gray (RAL 7035)

Gray

Number of rows

2

Frequency rating of contacts

50 Hz

Module rack type

Rail frame

Degree of protection

IP65

IK08 (impact resistance)

Number of module space units per row

12

Protection class

II (totally insulated)

Protective shrouding material

Plastic

Functions

Basic device

Extension possible

Material

ABS (plastic)

Mounting method

DIN-rail

Surface mounted (plaster)

Surface mounting

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

59 W

Internal depth

60 mm

PE and N terminal number and cross section

N: 8 x (2.5 mm² - 6 mm²) + 8 x (4 mm² - 10 mm²) + 1 x (10 mm² -
25 mm²) + 1 x (16 mm² - 35 mm²)

PE: 8 x (2.5 mm² - 6 mm²) + 8 x (4 mm² - 10 mm²) + 1 x (10 mm² -
25 mm²) + 1 x (16 mm² - 35 mm²)



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30 Pembroke Road
Dublin 4, Ireland
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