Specifications

Eaton 187351



Catalog Number: 187351

Eaton xComfort IKA LV systems Final Distribution Boards. IKA professional distribution board, IP65 + clamps + mounting plate for built-in sockets, 1/18

General specifications

Product Name
Eaton xComfort IKA control series

Catalog Number
187351

EAN
4015081824090

Product Length/Depth
147 mm

Product Height
436 mm

Product Width
418 mm

Product Weight
4.04 kg

Compliances
RoHS conform

Certifications
IEC/EN 62208
IEC/EN 60670-24

Powering Business Worldwide

Product specifications

Special features

IP65
Protection Class II
Plastic enclosure gray (RAL 7035)

Type

Basic device
IKA standard 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

Resources

Brochures

eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf

Catalogs

eaton-xcomfort-compact-distribution-catalog-ca015004en-en-us.pdf

Certification reports

eaton-xcomfort-ika-declaration-of-conformity-251017-en-us.pdf

Declarations of conformity

DA-DC-03_IKA-PWVAS

DA-DC-03_xComfort_IKA

Drawings

eaton-lighting-xcomfort-ika-lv-systems-dimensions-003.eps

Installation instructions

IL014018ZU

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.

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

Ui = 1000 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:

Basic device
Neutral-/protective conductor terminal
Sealing caps
Current circuit designation
Device support rails

Enclosure material

Plastic

Built-in height

0 mm

Built-in width

0 mm

Cable entry postion

Cable entries on top and bottom, side, back plate

Terminal type

Screw terminals

Built-in depth

127 mm

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

top (IEC 60890)

36 W

Closure type

Other

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

Door

Single

RAL-number

7035

Width in number of modular spacings

18

Ambient operating temperature details

-5 °C - 40 °C

Application

Indoor (installation site)

Voltage rating at AC

415 V AC

Color

Light gray (RAL 7035)

Gray

Number of rows

1

Frequency rating of contacts

50 Hz

Module rack type

Single-rail

Degree of protection

IK08 (impact resistance)

IP65

Number of module space units per row

18

Protection class

II (totally insulated)

Protective shrouding material

Plastic

Functions

Extension possible

Basic device

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)

72 W

Internal depth

50.5 mm

PE and N terminal number and cross section

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)

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)

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