Specifications

Eaton 187357



Catalog Number: 187357

Eaton xComfort IKA LV systems Final Distribution Boards. IKA professional distribution board, IP65 + clamps + mounting plate for premoulded built-in sockets, 1/12

General specifications

Product Name
Eaton xComfort IKA control series

Catalog Number
187357

EAN
4015081824151

Product Length/Depth
147 mm

Product Height
436 mm

Product Width
310 mm

Product Weight
2.83 kg

Compliances
RoHS conform

Certifications
IEC/EN 62208
IEC/EN 60670-24

Powering Business Worldwide

Product specifications

Used with

IKA standard distribution board
Installation distribution board
Basic device

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

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_xComfort_IKA

DA-DC-03_IKA-PWVAS

Drawings

eaton-lighting-xcomfort-ika-lv-systems-dimensions-002.eps

Installation instructions

IL014018ZU

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.

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:

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

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)

30 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

12

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

IP65

IK08 (impact resistance)

Number of module space units per row

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)

59 W

Internal depth

50.5 mm

PE and N terminal number and cross section

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

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

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