Specifications

Eaton 284640



Catalog Number: 284640

Eaton xComfort ECO LV systems Final Distribution Boards. ECO Compact distribution board, surface mounted, 3-rows, 12 MU, IP40

General specifications

Product Name	**Catalog Number**
Eaton xComfort ECO LV systems Final Distribution Boards	284640
	EAN
	4015082846404
Product Length/Depth	**Product Height**
560 mm	110 mm
Product Width	**Product Weight**
310 mm	2.6 kg
Compliances	**Certifications**
RoHS conform	EN 62208

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Product specifications

Used with

Basic device
ECO distribution board
Installation distribution board

Special features

IP40
Protection Class II
Plastic housing white (RAL 9003)

Type

Basic device
ECO 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

850 °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.

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-eco-declaration-of-conformity-200416-en-us.pdf

Declarations of conformity

DA-DC-03_xComfort_BC-ECO

Drawings

eaton-lighting-xcomfort-eco-lv-systems-dimensions-015.eps

Installation instructions

IL014002Z

10.2.6 Mechanical impact

IK05

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

IP40

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 = 400 V AC

10.9.3 Impulse withstand voltage

3.75 kV

10.9.4 Testing of enclosures made of insulating material

Meets the product standard's requirements.

Fitted with:

Neutral-/protective conductor terminal
Device support rails
Basic device

Enclosure material

Plastic

Built-in height

0 mm

Built-in width

0 mm

Cable entry postion

Metric cable entries on top and bottom

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)

23 W

Closure type

Other

Cover/door color

Transparent

Cover/door model

Closed

Cover/door type

Door

Single

RAL-number

9003

Width in number of modular spacings

12

Ambient operating temperature details

-20 °C - 70 °C

Application

Indoor (installation site)

Voltage rating at AC

400 V AC

Color

Signal white (RAL 9003)

White

Number of rows

3

Frequency rating of contacts

50 Hz

Module rack type

Single-rail

Degree of protection

IK05 (impact resistance)

IP40

Number of module space units per row

12

Protection class

II (totally insulated)

Protective shrouding material

Plastic

Functions

Basic device

Material

ABS (plastic)

Mounting method

DIN-rail

Surface mounting

Surface mounted (plaster)

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

46 W

Internal depth

85 mm

PE and N terminal number and cross section

N: 3 x (12 mm² x 10 mm²)

PE: 3 x (12 mm² x 10 mm²)

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