Specifications

Eaton 281690

Catalog Number: 281690

Eaton xComfort ECO LV systems Final Distribution Boards. ECO Compact distribution board, surface mounted, 1-rows, 8 MU, IP40, white door



General specifications

Product Name	**Catalog Number**
Eaton xComfort ECO LV systems Final Distribution Boards	281690
	EAN
	4015082816902
Product Length/Depth	**Product Height**
205 mm	115 mm
Product Width	**Product Weight**
200 mm	0.6 kg
Compliances	**Certifications**
RoHS conform	EN 62208

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Product specifications

Used with

Installation distribution board

Basic device

ECO 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-002.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:

Basic device
Device support rails
Neutral-/protective conductor terminal

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)

8 W

Closure type

Other

Cover/door color

White

Cover/door model

Closed

Cover/door type

Door

Single

RAL-number

9003

Width in number of modular spacings

8

Ambient operating temperature details

-20 °C - 70 °C

Application

Indoor (installation site)

Voltage rating at AC

400 V AC

Color

White

Signal white (RAL 9003)

Number of rows

1

Frequency rating of contacts

50 Hz

Module rack type

Single-rail

Degree of protection

IP40

IK05 (impact resistance)

Number of module space units per row

8

Protection class

II (totally insulated)

Protective shrouding material

Plastic

Functions

Basic device

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)

17 W

Internal depth

82 mm

PE and N terminal number and cross section

PE: 8 x 10 mm²

N: 8 x 10 mm²

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