

Specifications

Eaton 281697

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

General Specifications

PRODUCT NAME	Eaton xComfort ECO LV systems Final Distribution Boards
CATALOG NUMBER	281697
EAN	4015082816971
PRODUCT LENGTH/DEPTH	205 mm
PRODUCT HEIGHT	125 mm
PRODUCT WIDTH	205 mm
PRODUCT WEIGHT	0.6 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN 62208
MODEL CODE	BC-U-1/8-TW-ECO



Powering Business Worldwide

Additional information

FITTED WITH: Basic device
Device support rails
Neutral-/protective
conductor terminal

FUNCTIONS Basic device
Sealable

PROTECTION CLASS II (totally insulated)

RAL-NUMBER 9003

SPECIAL FEATURES

- IP40
- Protection Class II
- Plastic housing
white (RAL 9003)

USED WITH Installation distribution
board
ECO distribution board
Basic device

Delivery programme

APPLICATION Indoor (installation site)

COLOR White
Signal white (RAL 9003)

TYPE

- Basic device
- ECO distribution
board
- Installation
distribution board

Design verification to IEC/EN 61439

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.
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	Is the panel builder's

Design verification to IEC/EN 61439 - technical data

AMBIENT OPERATING TEMPERATURE DETAILS	-20 °C - 70 °C
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EXTERNAL CONDUCTORS	responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	U _i = 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.

Technical data - electrical

FREQUENCY RATING OF CONTACTS	50 Hz
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Technical data - mechanical

BUILT-IN DEPTH	70 mm
CABLE ENTRY POSTION	Cable entry ribs on top and bottom
CLOSURE TYPE	Other
COVER/DOOR COLOR	White
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Door Single
DEGREE OF PROTECTION	IK05 (impact resistance) IP40
ENCLOSURE MATERIAL	Plastic
INTERNAL DEPTH	98 mm
MATERIAL	ABS (plastic)
MODULE RACK TYPE	Single-rail
MOUNTING METHOD	Flush mounting DIN-rail Flush mounted (plaster)
NUMBER OF MODULE SPACE UNITS PER ROW	8
NUMBER OF ROWS	1
PE AND N TERMINAL NUMBER AND CROSS SECTION	PE: 8 x 10 mm ² N: 8 x 10 mm ²
PROTECTIVE SHROUDING MATERIAL	Plastic
TERMINAL TYPE	Screw terminals
WIDTH IN NUMBER OF MODULAR SPACINGS	8

Resources

BROCHURES	eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf
CERTIFICATION REPORTS	eaton-xcomfort-eco-declaration-of-conformity-200416-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-lv-systems-declaration-of-conformity-eu250255en.pdf
DRAWINGS	eaton-lighting-xcomfort-eco-lv-systems-dimensions-009.eps eaton-lighting-xcomfort-eco-lv-systems-dimensions-017.eps
INSTALLATION INSTRUCTIONS	eaton-xcomfort-eco-installation-leaflet-il014002zu.pdf

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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