

Specifications



Eaton 280351

Eaton xComfort ECO LV systems Final Distribution Boards. ECO Compact distribution board, surface mounted, 3-rows, 18 MU, IP40

General specifications

PRODUCT NAME	Eaton xComfort ECO LV systems Final Distribution Boards
CATALOG NUMBER	280351
MODEL CODE	BC-O-3/54-ECO
EAN	4015082803513
PRODUCT LENGTH/DEPTH	795 mm
PRODUCT HEIGHT	105 mm
PRODUCT WIDTH	415 mm
PRODUCT WEIGHT	4.6 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	EN 62208
GLOBAL CATALOG	280351



Powering Business Worldwide

Product specifications

USED WITH	ECO distribution board Installation distribution board Basic device
SPECIAL FEATURES	<ul style="list-style-type: none"> • IP40 • Protection Class II • Plastic housing white (RAL 9003)
TYPE	<ul style="list-style-type: none"> • 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.
10.2.6 MECHANICAL IMPACT	IK05
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.

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-007.eps
INSTALLATION INSTRUCTIONS	eaton-xcomfort-eco-installation-leaflet-il014002zu.pdf

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)	38 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	18
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	IP40 IK05 (impact resistance)
NUMBER OF MODULE SPACE UNITS PER ROW	18
PROTECTION CLASS	II (totally insulated)
PROTECTIVE SHROUDING MATERIAL	Plastic
FUNCTIONS	Basic device Sealable
MATERIAL	ABS (plastic)
MOUNTING METHOD	Surface mounting DIN-rail Surface mounted (plaster)
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	77 W
INTERNAL DEPTH	90 mm
PE AND N TERMINAL NUMBER AND CROSS SECTION	PE: 3 x (18 mm ² x 10 mm ²) N: 3 x (18 mm ² x 10 mm ²)
NUMBER OF OPENINGS FOR SOCKET OUTLETS	0

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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