

# Specifications



## Eaton 280348

Eaton xComfort ECO LV systems Final Distribution Boards. ECO Compact distribution board, surface mounted, 1-rows, 18 MU, IP40

### General specifications

<b>PRODUCT NAME</b>	Eaton xComfort ECO LV systems Final Distribution Boards
<b>CATALOG NUMBER</b>	280348
<b>MODEL CODE</b>	BC-O-1/18-ECO
<b>EAN</b>	4015082803483
<b>PRODUCT LENGTH/DEPTH</b>	420 mm
<b>PRODUCT HEIGHT</b>	115 mm
<b>PRODUCT WIDTH</b>	260 mm
<b>PRODUCT WEIGHT</b>	1.4 kg
<b>COMPLIANCES</b>	RoHS conform
<b>CERTIFICATIONS</b>	IEC 60947 EN 60947 EN Listed IEC Rated EN 62208
<b>GLOBAL CATALOG</b>	280348



Powering Business Worldwide

## Product specifications

<b>USED WITH</b>	Enclosure 100 x 425 x 600 mm Basic device Installation distribution board ECO distribution board
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<b>SPECIAL FEATURES</b>	<ul style="list-style-type: none"> <li>• IP40</li> <li>• Protection Class II</li> <li>• Plastic housing white (RAL 9003)</li> </ul>
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<b>TYPE</b>	<ul style="list-style-type: none"> <li>• Basic device</li> <li>• ECO distribution board</li> <li>• Installation distribution board</li> </ul>
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<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility.
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<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility.
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<b>10.13 MECHANICAL FUNCTION</b>	Meets the product standard's requirements.
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<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
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<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
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<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
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<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	850 °C; meets the product standard's requirements.
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<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Not relevant to indoor installations.
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<b>10.2.5 LIFTING</b>	Does not apply to enclosures without lifting aids.
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<b>10.2.6 MECHANICAL IMPACT</b>	IK05
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## Resources

<b>BROCHURES</b>	<a href="#">eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf</a>
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<b>CERTIFICATION REPORTS</b>	<a href="#">eaton-xcomfort-eco-declaration-of-conformity-200416-en-us.pdf</a>
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<b>DECLARATIONS OF CONFORMITY</b>	<a href="#">eaton-lv-systems-declaration-of-conformity-eu250255en.pdf</a>
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<b>DRAWINGS</b>	<a href="#">eaton-lighting-xcomfort-eco-lv-systems-dimensions-004.eps</a>
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<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">eaton-xcomfort-eco-installation-leaflet-il014002zu.pdf</a>
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<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	IP40
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Is the panel builder's responsibility.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Protection class 2, therefore not applicable.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Is the panel builder's responsibility.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	U <sub>i</sub> = 400 V AC
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	3.75 kV
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Meets the product standard's requirements.
<b>FITTED WITH:</b>	Neutral-/protective conductor terminal Basic device Device support rails
<b>ENCLOSURE MATERIAL</b>	Plastic
<b>BUILT-IN HEIGHT</b>	0 mm
<b>BUILT-IN WIDTH</b>	0 mm
<b>CABLE ENTRY POSTION</b>	Metric cable entries on top and bottom
<b>TERMINAL TYPE</b>	Screw terminals
<b>BUILT-IN DEPTH</b>	70 mm
<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	19 W
<b>CLOSURE TYPE</b>	Other
<b>COVER/DOOR COLOR</b>	Transparent
<b>COVER/DOOR MODEL</b>	Closed
<b>COVER/DOOR TYPE</b>	Door Single
<b>RAL-NUMBER</b>	9003
<b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>	18
<b>AMBIENT OPERATING</b>	-20 °C - 70 °C

TEMPERATURE DETAILS	
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	18
PROTECTION CLASS	II (totally insulated)
PROTECTIVE SHROUDING MATERIAL	Plastic
FUNCTIONS	Basic device Sealable
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)	38 W
INTERNAL DEPTH	90 mm
PE AND N TERMINAL NUMBER AND CROSS SECTION	PE: 18 x 10 mm <sup>2</sup> N: 18 x 10 mm <sup>2</sup>
NUMBER OF OPENINGS FOR SOCKET OUTLETS	0

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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