

**Part no.** **BC-0-1/18-ECO**  
**280348**

<b>General specifications</b>		
Product name		Eaton xComfort ECO LV systems Final Distribution Boards
Part no.		BC-0-1/18-ECO
EAN		4015082803483
Product Length/Depth		420 millimetre
Product height		115 millimetre
Product width		260 millimetre
Product weight		1.4 kilogram
Compliances		RoHS conform
Certifications		IEC 60947 EN Listed EN 60947 IEC Rated EN 62208
Product Tradename		xComfort ECO
Product Type		LV systems
Product Sub Type		Final Distribution Boards
<b>Delivery program</b>		
Type		Basic device ECO distribution board Installation distribution board
Application		Indoor (installation site)
Color		White Signal white (RAL 9003)
<b>Technical Data - Electrical</b>		
Frequency rating of contacts		50 Hz
<b>Technical Data - Mechanical</b>		
Closure type		Other
Enclosure material		Plastic
Width in number of modular spacings		18
Mounting method		Surface mounted (plaster) Surface mounting DIN-rail
Material		ABS (plastic)
Degree of protection		IP40 IK05 (impact resistance)
Number of module space units per row		18
Number of rows		1
Terminal type		Screw terminals
PE and N terminal number and cross section		PE: 18 x 10 mm <sup>2</sup> N: 18 x 10 mm <sup>2</sup>
Built-in depth		70 mm
Built-in height		0 mm
Built-in width		0 mm
Internal depth		90 mm
Cover/door color		Transparent
Cover/door model		Closed
Cover/door type		Door Single
Module rack type		Single-rail
Protective shrouding material		Plastic
<b>Temperature-rise verification as per IEC 60890</b>		
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)		19 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)		38 W

<b>Design verification as per IEC/EN 61439 - technical data</b>		
Ambient operating temperature details		-20 °C - 70 °C
<b>Design verification as per IEC/EN 61439</b>		
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 external conductors		Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength		U <sub>i</sub> = 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.
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.
<b>Additional information</b>		
Fitted with:		Neutral-/protective conductor terminal Basic device Device support rails
Functions		Basic device
Protection class		II (totally insulated)
RAL-number		9003
Special features		IP40 Protection Class II Plastic housing white (RAL 9003)
Used with		Enclosure 100 x 425 x 600 mm Basic device Installation distribution board ECO distribution board

## Technical data ETIM 9.0

Distribution boards (EG000023) / Small distribution board (EC000214)		
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Small distribution board (ecI@ss13-27-14-24-09 [ACN387016])		
Mounting method		Surface mounted
Number of rows		1
Width in number of modular spacings		18
Type of covering		Door
Cover model		Closed
Type of door		Single
Transparent cover/door		Yes
Signal passing door		No
With lock		No
Type of closure		Other
Housing material		Plastic
Built-in depth	mm	70
Built-in height	mm	0
Built-in width	mm	0
Inner depth	mm	90
Earthing terminal block		No

Neutral terminal block			No
DIN-rail			Yes
With mounting plate			No
Extension possible			No
EMC-version			No
UV resistant			No
Colour			White
RAL-number			9003
Degree of protection (IP)			IP40
Height		mm	115
Width		mm	260
Depth		mm	420