## DATASHEET - BC-0-1/5-EC0

ECO Compact distribution board, surface mounted, 1-rows, 5 MU, IP40



Part no.
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BC-0-1/5-EC0 280345

General specifications	
Product name	Eaton xComfort EC0 LV systems Final Distribution Boards
Part no.	BC-0-1/5-EC0
EAN	4015082803452
Product Length/Depth	170 millimetre
Product height	115 millimetre
Product width	130 millimetre
Product weight	0.4 kilogram
Compliances	RoHS conform
Certifications	EN 62208
Product Tradename	xComfort ECO
Product Type	LV systems
Product Sub Type	Final Distribution Boards
Delivery program	
Туре	Basic device ECO distribution board Installation distribution board
Application	Indoor (installation site)
Color	White Signal white (RAL 9003)
Technical Data - Electrical	
Frequency rating of contacts	50 Hz
Technical Data - Mechanical	
Closure type	Other
Enclosure material	Plastic
Width in number of modular spacings	5
Mounting method	Surface mounting DIN-rail Surface mounted (plaster)
Material	ABS (plastic)
Degree of protection	IK05 (impact resistance) IP40
Number of module space units per row	5
Number of rows	1
Terminal type	Screw terminals
PE and N terminal number and cross section	N: 4 x 10 mm <sup>2</sup> PE: 4 x 10 mm <sup>2</sup>
Built-in depth	70 mm
Built-in height	0 mm
Built-in width	0 mm
Internal depth	85 mm
Cover/door color	Transparent
Cover/door model	Closed
Cover/door type	Door Single
Module rack type	Single-rail
Protective shrouding material	Plastic
Temperature-rise verification as per IEC 60890	
Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)	5 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)	10 W
Design verification as per IEC/EN 61439 - technical data	
	-20 °C - 70 °C
Ambient operating temperature details	-20 °C - 70 °C

Design verification as per IEC/EN 61439	
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	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.
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.
Additional information	
Fitted with:	Neutral-/protective conductor terminal Device support rails Basic device
Functions	Basic device
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

## **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 (ecl@ss13-27-14-24-09 [ACN387016])

Number of rows     Image: spacings     Image: spacings     Image: spacings       Vide in number of modular spacings     Image:			
With in number of modular spacings5With in number of modular spacings55Type of covering666Cover model665Type of door666Transparent cover/door666Signal passing door666With lock666Type of closure666Housing material666Built-in kight6mm7Built-in kight6mm5Built-in kight66mmBuilt-in kight6666Built-in kight6666Built-in kight666 <t< td=""><td>Mounting method</td><td></td><td>Surface mounted</td></t<>	Mounting method		Surface mounted
Type of covering     Door       Cover model     Closed       Type of door     Single       Transparent cover/door     Single       Signal passing door     No       With lock     Mode       Type of closure     Mode       Built-in depth     Mom       Built-in height     Mom       Built-in width     Mom       Built-in width     Mom       Built-in kight     Mom       Built-in kight     Mom       Built-in kight     Mom       Built-in height     Mom       Built-in kight     Mom       Built-in height     Mom <td>Number of rows</td> <td></td> <td>1</td>	Number of rows		1
Cover model   Closed     Type of door   Single     Transparent cover/door   Single     Signal passing door   Ver     With lock   No     Type of closure   Mer     Built-in depth   Mer     Built-in height   Mer     Built-in width   Mer     Built-in height   Mer     Built-in h	Width in number of modular spacings		5
Type of door     Single     Single       Transparent cover/door     Ves     Ves       Signal passing door     Ves     No       With lock     Ves     No       Type of closure     Ves     No       Built-in depth     Mem     Other       Built-in height     Mem     Other       Built-in width     Mem     Other       Built-in keight     Mem     State       Built-in keigh	Type of covering		Door
Transparent cover/doorSeeSeeSignal passing doorSeeNoWith lockNoNoType of closureSeeOtherHousing materialSeePlasticBuilt-in depthmmOBuilt-in vidthmmOBuilt-in vidthmmSeeLiner depthmmSeeLiner depth <td>Cover model</td> <td></td> <td>Closed</td>	Cover model		Closed
Signal passing door   No     With lock   No     Type of closure   Other     Housing material   Mmm     Built-in depth   Mmm     Built-in height   Mmm     Built-in width   Mmm     Inner depth   Mmm     Earthing terminal block   Mmm     Built-in terminal block   Mmm	Type of door		Single
With lockImage: set of the set	Transparent cover/door		Yes
Type of closure   Mode	Signal passing door		No
Housing materialImage: PlasticBuilt-in depthmm70Built-in heightmm0Built-in widthmm0Inner depthmm85Earthing terminal blockmmNoNutral terminal blockmmNo	With lock		No
Built-in depth mm 70   Built-in height mm 0   Built-in width mm 0   Inner depth mm 5   Earthing terminal block MM 50   Nutral terminal block MM No	Type of closure		Other
Built-in height Marken Mar Marken Marken Marke Marken Marken Mark	Housing material		Plastic
Built-in width mm 0 Inner depth San	Built-in depth	mm	70
Inner depth mm 85 Earthing terminal block S S S S S S S S S S S S S S S S S S S	Built-in height	mm	0
Earthing terminal block Mo   Noutral terminal block Mo	Built-in width	mm	0
Neutral terminal block No	Inner depth	mm	85
	Earthing terminal block		No
DIN-rail Yes	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	130
Depth	mm	170