

**Part no.**                    **BC-0-1/5-TW-ECO**  
**281649**

<b>General specifications</b>		
Product name		Eaton xComfort ECO LV systems Final Distribution Boards
Part no.		BC-0-1/5-TW-ECO
EAN		4015082816490
Product Length/Depth		290 millimetre
Product height		147 millimetre
Product width		166 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
<b>Delivery program</b>		
Type		Basic device ECO distribution board Installation distribution board
Application		Indoor (installation site)
Color		Signal white (RAL 9003) White
<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		5
Mounting method		DIN-rail Surface mounted (plaster) Surface mounting
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		White
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)		5 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)		10 W
<b>Design verification as per IEC/EN 61439 - technical data</b>		
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			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:			Basic device Neutral-/protective conductor terminal 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			ECO distribution board Installation 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])

Mounting method			Surface mounted
Number of rows			1
Width in number of modular spacings			5
Type of covering			Door
Cover model			Closed
Type of door			Single
Transparent cover/door			No
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	85
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	147
Width		mm	166
Depth		mm	290