



ECO Compact distribution board, surface mounted, 1-rows, 8 MU, IP40

Part no. **BC-0-1/8-ECO**
280346

General specifications		
Product name		Eaton xComfort ECO LV systems Final Distribution Boards
Part no.		BC-0-1/8-ECO
EAN		4015082803469
Product Length/Depth		205 millimetre
Product height		115 millimetre
Product width		205 millimetre
Product weight		0.6 kilogram
Compliances		RoHS conform
Certifications		EN 62208 EN Listed IEC Rated
Product Tradename		xComfort ECO
Product Type		LV systems
Product Sub Type		Final Distribution Boards
Delivery program		
Type		Installation distribution board ECO distribution board Basic device
Application		Indoor (installation site)
Color		Signal white (RAL 9003) White
Technical Data - Electrical		
Frequency rating of contacts		50 Hz
Technical Data - Mechanical		
Closure type		Other
Enclosure material		Plastic
Width in number of modular spacings		8
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		8
Number of rows		1
Terminal type		Screw terminals
PE and N terminal number and cross section		N: 8 x 10 mm ² PE: 8 x 10 mm ²
Built-in depth		70 mm
Built-in height		0 mm
Built-in width		0 mm
Internal depth		82 mm
Cover/door color		Transparent
Cover/door model		Closed
Cover/door type		Single Door
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)		8 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)		17 W

Design verification as per IEC/EN 61439 - technical data		
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:		Device support rails Basic device Neutral-/protective conductor terminal
Functions		Basic device
Protection class		II (totally insulated)
RAL-number		9003
Special features		Plastic housing white (RAL 9003) Protection Class II IP40
Used with		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			8
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	82

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	205
Depth		mm	205