DATASHEET - BC-0-1/5-EC0



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

Powering Business Worldwide*

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

Delivery program

Delivery program			
Basic function			Basic device
Product function			Installation distribution boards
Product range			ECO DBO
Design			Surface mounted
Installation site			Indoor
Type of installation			Surface mounting
Door/Flap			Transparent
Degree of Protection			IP40
Colour			White
Module rack			Single-rail
Shroud for protection against accidental contact			Plastic
Rows	Count		1
Module units per row			5
Description			IP40 Protection Class II Plastic housing white (RAL 9003)
Cable entries			Metric cable entries on top and bottom
PE and N terminals design			Screw terminals
PE and N terminals	Number x cross- sectional area	mm ²	PE: 4 x 10 N: 4 x 10
Equipment supplied			Basic device Device support rails Neutral-/protective conductor terminal

Technical data

General

General			
Standards			EN 62208
RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council)			conform
Ambient temperature		°C	-20 - +70
Degree of Protection			IP40
Protection class			II (totally insulated)
Rated operational voltage	Ue	V AC	400
Rated frequency	f	Hz	50
Material characteristics			
Material			ABS (plastic)
Colour			white (RAL 9003)
Material properties			
Mechanical			
Impact resistance			IK05

Design verification as per IEC/EN 61439

Technical data for design verification			
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_{V}	W	5
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P_{V}	W	10
IEC/EN 61439 design verification			

10.0 Character of an extension and a cast	
10.2 Strength of materials and parts	
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties	
10.9.2 Power-frequency electric strength	U _i = 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 we 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.

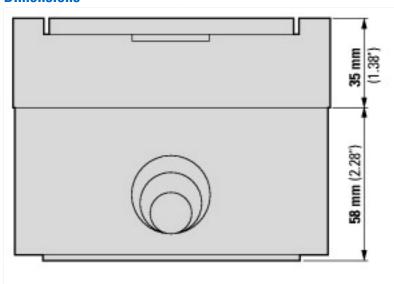
Technical data ETIM 7.0

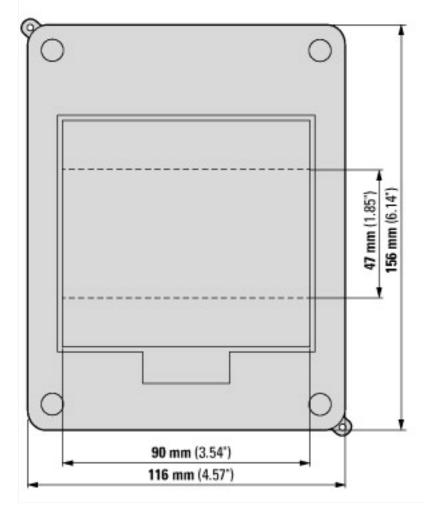
Distribution boards (EG000023) / Small distribution board (EC000214)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (ecl@ss10.0.1-27-14-24-09 [ACN387011])

Width in number of modular spacings 5 Type of cover Cover model Cosed Transparent cover/door Yes Meterial housing mm 16 Width mm 16 Width mm 93 Unternal depth mm 70 Internal depth mm 85 With mounting plate Yes Extension possible No No Extension possible No No EMC-version No Withe Colour Withite Withite BAL-number 9003 9003 Degree of protection (IP) IP40 With lock No No	, control of the cont		
Width in number of modular spacings 5 Type of cover 100 or Cover model 10 sed Transparent cover/door 10 sed Meterial housing 10 plastic Height mm 156 Width mm 16 Depth mm 3 Built-in depth mm 70 Internal depth mm 85 DIN-rail ves With mounting plate No Extension possible No EMC-version No Colour No RAL-number With recent of (IP) With lock No No No No No	Mounting method		Surface mounted (plaster)
Type of cover boor Cover model closed Transparent cover/door ves Material housing m 156 Height m 156 Width m 33 Depth m 70 Built-in depth m 85 DIN-rail yes With mounting plate yes Extension possible No Extension possible No EMC-version No Colour No RAL-number 9003 Degree of protection (IP) IP40 With lock No	Number of rows		1
Cover model Closed Transparent cover/door Yes Material housing Image: Plastic Height Image: Plastic Width Image: Plastic Internal depth Image: Plastic With mounting plate Image: Plastic Extension possible Image: Plastic Extension possible Image: Plastic EMC-version Image: Plastic Colour Image: Plastic RAL-number Image: Plastic Degree of protection (IP) Image: Plastic With lock Image: Plastic Image: Plastic Image: Plastic	Width in number of modular spacings		5
Transparent cover/door Yes Material housing Plastic Height mm 156 Width mm 116 Depth mm 93 Built-in depth mm 70 Internal depth mm 85 DIN-rail Yes With mounting plate No No Extension possible No No EMC-version No White Colour White 9003 RAL-number 9003 1P40 Degree of protection (IP) IP40 No With lock No No	Type of cover		Door
Material housing Flastic Height mm 156 Width mm 116 Depth mm 93 Built-in depth mm 70 Internal depth mm 85 DIN-rail Yes With mounting plate No Extension possible No EMC-version No Colour No RAL-number White Degree of protection (IP) IP40 With lock No	Cover model		Closed
Height mm 156 Width mm 116 Depth mm 93 Built-in depth mm 70 Internal depth mm 85 DIN-rail Yes With mounting plate No Extension possible No EMC-version No Colour White RAL-number 9003 Degree of protection (IP) IP40 With lock No	Transparent cover/door		Yes
Width mm 116 Depth mm 93 Built-in depth mm 70 Internal depth mm 85 DIN-rail Yes With mounting plate No No Extension possible No No EMC-version No White Colour White White RAL-number 9003 1940 Degree of protection (IP) IP40 No With lock No No	Material housing		Plastic
Depth mm 93 Built-in depth mm 70 Internal depth mm 85 DIN-rail Yes With mounting plate No Extension possible No EMC-version No Colour No RAL-number White Degree of protection (IP) 9003 With lock IP40 No	Height	mm	156
Built-in depth mm 70 Internal depth mm 85 DIN-rail Yes With mounting plate No Extension possible No EMC-version No Colour White RAL-number 9003 Degree of protection (IP) IP40 With lock No	Width	mm	116
Internal depth DIN-rail Ves With mounting plate Extension possible EMC-version Colour RAL-number Degree of protection (IP) With lock Mm 85 No No No No White H90 H90 No No No No No No No No No N	Depth	mm	93
DIN-rail With mounting plate With mounting plate Extension possible EMC-version Colour RAL-number Begree of protection (IP) With lock With lock Yes No No No No White H40 No	Built-in depth	mm	70
With mounting plate Extension possible EMC-version Colour RAL-number Regree of protection (IP) With lock No	Internal depth	mm	85
Extension possible EMC-version Colour RAL-number Degree of protection (IP) With lock No No No White H40 No	DIN-rail		Yes
EMC-versionNoColourWhiteRAL-number9003Degree of protection (IP)IP40With lockNo	With mounting plate		No
Colour White RAL-number 9003 Degree of protection (IP) IP40 With lock No	Extension possible		No
RAL-number 9003 Degree of protection (IP) IP40 With lock No	EMC-version		No
Degree of protection (IP) With lock No	Colour		White
With lock No	RAL-number		9003
	Degree of protection (IP)		IP40
Type of closure Other	With lock		No
	Type of closure		Other

Dimensions





Additional product information (links)

Product overview (Web)

http://www.eaton.eu/DE/Europe/Electrical/ProductsServices/Residential/index.htm