## DATASHEET - BC-U-3/36-TW-ECO



ECO Compact distribution board, flush mounting, 3-rows, 12 MU, IP40

Part no. Catalog No.

BC-U-3/36-TW-ECO 284643



#### **Delivery program**

Basic function			Basic device
Product function			Installation distribution boards
Product range			ECO DBO
Design			Flush mounted
Installation site			Indoor
Type of installation			Flush mounting
Door/Flap			White
Degree of Protection			IP40
Colour			White
Module rack			Single-rail
Shroud for protection against accidental contact			Plastic
Rows	Count		3
Module units per row			12
Description			IP40 Protection Class II Plastic housing white (RAL 9003)
Cable entries			Cable entry ribs on top and bottom
PE and N terminals design			Screw terminals
PE and N terminals	Number x cross- sectional area	mm <sup>2</sup>	PE: 3 x (12 x 10) N: 3 x (12 x 10)
Equipment supplied			Basic device Device support rails Neutral-/protective conductor terminal

#### Technical data General

StandardsFileFileEN 6220s_xRoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council)FileconformAmbient temperaturePC20 + 70Degree of ProtectionPCP40Protection classVeVACRated operational voltageVeVACRated frequencyfHz50Material CharacteristicsVeMS (plastic)				
Council) Image: Marcine State   Ambient temperature °C °C   Degree of Protection °C Pd0   Protection class Image: Marcine State Image: Marcine State   Rated operational voltage Ue VAC 400   Rated frequency f Hz 50				
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Rated frequency f Hz 50   Material characteristics				
Material characteristics				
Material ABS (plastic)				
Colour white (RAL 9003)				
Material properties				
Mechanical de la				
Impact resistance IK05				

## Design verification as per IEC/EN 61439

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IEC/EN 61439 design verification	
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.

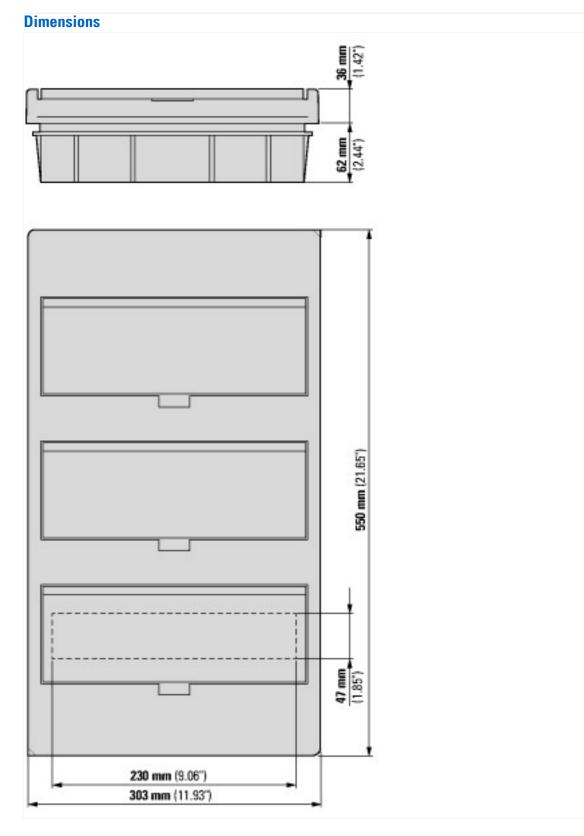
102.3.2 Verification of resistance of insulating materials to abnormal heatMeets the product standard's requirements.102.3.3 Verification of resistance of insulating materials to abnormal heat860 °C; meets the product standard's requirements.102.4 Resistance to ultra-violet (UV) radiationNot relevant to indoor installations.102.5 LiftingDes not apply to enclosures without lifting aids.102.5 LiftingNot relevant to indoor installations.102.5 LiftingNot relevant to indoor installations.102.5 LiftingNot relevant to indoor installations.102.5 IncriptionsNot relevant to indoor installations.10.3 Degree of protection of ASSEMBLIESNot relevant of sequences.10.4 Clearances and creepage distancesIs the panel builder's responsibility.10.5 Protection against electric shockProtection class 2, therefore not applicable.10.6 Incorporation of switching devices and componentsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9 Insulation propertiesIs the panel builder's responsibility.10.9 Insulation propertiesIs the panel builder's responsibility.10.9 Insulation genetors made of insulating materialMeets the product standard's requirements.10.9 Insulation genetors made of insulating materialMeets the product standard's requirements.10.9 Insulation genetors made of insulating materialMeets the product standard's requirements.10.9 Insulation genetors made of insulating materialMeets the product standard's requirements.10.9 Insulation genetors ma		
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10.12 Electromagnetic compatibility Image: Compatibility	10.10 Temperature rise	
	10.11 Short-circuit rating	Is the panel builder's responsibility.
10.13 Mechanical function Meets the product standard's requirements.	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])

Mounting method		Flush mounted (plaster)
Number of rows		3
Width in number of modular spacings		12
Type of cover		Door
Cover model		Closed
Transparent cover/door		No
Material housing		Plastic
Height	mm	550
Width	mm	303
Depth	mm	98
Built-in depth	mm	70
Internal depth	mm	90
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
Type of closure		Other



# Additional product information (links)

IL014002Z ECO compact distribution board IL014002Z ECO compact distribution board Product overview (Web)

ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL014002ZU2014\_02.pdf http://www.eaton.eu/DE/Europe/Electrical/ProductsServices/Residential/index.htm