# **DATASHEET - BC-0-2/36-TW-ECO**



# ECO Compact distribution board, surface mounted, 2-rows, 18 MU, IP40

Powering Business Worldwide\*

Part no. BC-0-2/36-TW-ECO Catalog No. 281694

## **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			White
Degree of Protection			IP40
Colour			White
Module rack			Single-rail
Shroud for protection against accidental contact			Plastic
Rows	Count		2
Module units per row			18
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 <sup>2</sup>	PE: 2 x (18 x 10) N: 2 x (18 x 10)
Equipment supplied			Basic device Device support rails Neutral-/protective conductor terminal

### **Technical data**

#### General

Mechanical

Impact resistance

Standards			EN 62208_x
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			

# **Design verification as per IEC/EN 61439**

3			
Fechnical 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	29
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	57

IK05

10.2.2 Strength of materials and parts  10.2.2 Corrosion resistance  10.2.3.1 Verification of thermal stability of enclosures  10.2.3.2 Verification of resistance of insulating materials to normal heat  10.2.3.3 Verification of resistance of insulating materials to normal heat  10.2.3.3 Verification of resistance of insulating materials to abnormal heat  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.2.7 Inscriptions  10.3.0 SEMBLIES  10.4 Clearances and creapage distances  10.5 Protection against electric shock  10.5 Incorporation of switching devices and components  10.5 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.1 Temperature rise  10.1.1 Short-circuit rating  10.1.2 Electromagnetic compatibility  10.1 Electromagnetic compatibility  10.1 Short-circuit rating  10.1.3 Mechanical function  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the product standard's requirements.  Meets the panel builder's responsibility.  In the panel builder's responsibility.  In the panel builder's responsibility.  Meets the product standard's requirements.  Meets the product standard's requirements.  In the panel builder's responsibility.  In the panel builder's responsibility.  Meets the product standard's requirements.  Not retevant to indoor installations.  Meets the product standard's requirements.  In the panel builder's responsibility.  In the panel builder's responsibility.  Meets the product standard's requirements.  Meets the product standard's requirements.	EC/EN 61439 design verification	
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10.2.6 Mechanical impact  10.2.7 Inscriptions  Meets the product standard's requirements.  10.3 Degree of protection of ASSEMBLIES  10.4 Clearances and creepage distances  10.5 Protection against electric shock  10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.12 Electromagnetic compatibility  10.10 Lectromagnetic compatib	10.2.4 Resistance to ultra-violet (UV) radiation	Not relevant to indoor installations.
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	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.

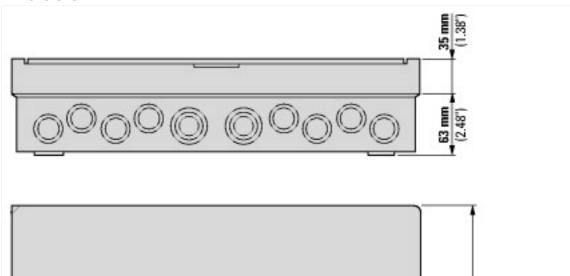
### **Technical data ETIM 7.0**

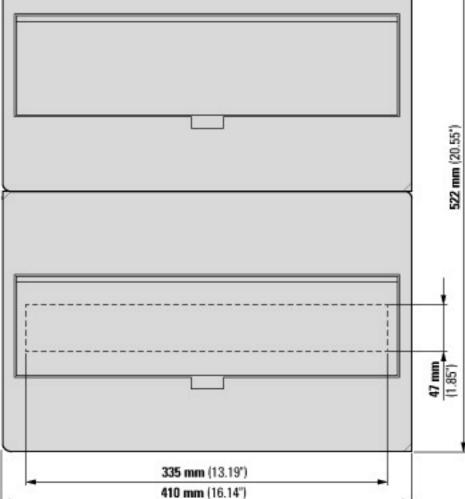
Distribution boards (EG000023) / Small distribution board (EC000214)

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])

(CCI © 3310.0.1 27 14 24 00 [A01007011])		
Mounting method		Surface mounted (plaster)
Number of rows		2
Width in number of modular spacings		18
Type of cover		Door
Cover model		Closed
Transparent cover/door		No
Material housing		Plastic
Height	mm	522
Width	mm	410
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

### **Dimensions**





## **Additional product information (links)**

IL014002Z ECO compact distribution board
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IL014002Z ECO compact distribution board

ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL014002ZU2014\_02.pdf

Product overview (Web) http://ww

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