### **DATASHEET - MINI-4-T**

Mini compact distribution board, 1-row 4 SU, IP30





Part no. MINI-4-T Catalog No. 177073 Alternate Catalog MINI-4-T No. EL-Nummer 1702978 (Norway)

#### **Delivery program**

Basic function		Basic device
Product function		Installation distribution boards
Product range		MINI DBO
Design		Surface mounted
Installation site		Indoor
Type of installation		Surface mounting
Door/Flap		Transparent
Degree of Protection		IP30
Colour		White
Module rack		Single-rail
Shroud for protection against accidental contact		Plastic
Rows	Count	1
Module units per row		4
Description		IP30 Protection Class II Plastic housing white (RAL 9003)
Cable entries		Metric cable entries on top and bottom, side, back plate
PE and N terminals design		Without
Equipment supplied		Basic device

## **Technical data**

General			
Standards			IEC/EN 62208
RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council) $\label{eq:council}$			conform
Ambient temperature		°C	-5 - +40
Degree of Protection			IP30
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 <sub>V</sub>	W	10
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 <sub>V</sub>	W	12
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.

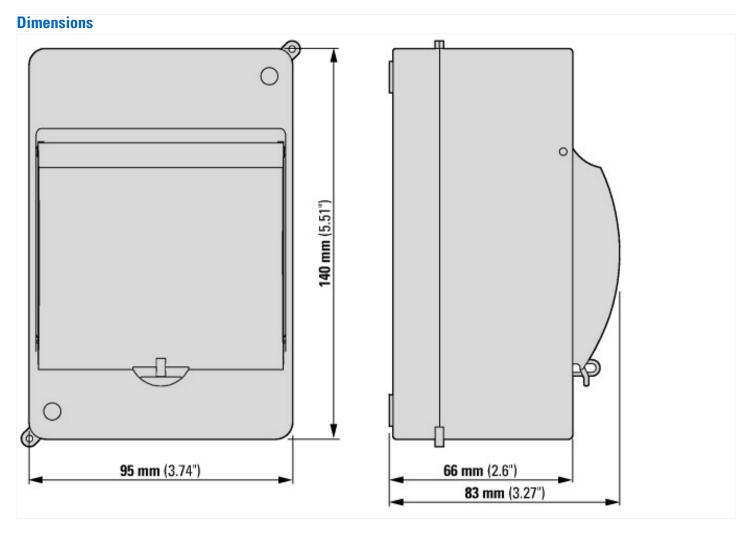
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects	650 °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	IP30
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 <sub>i</sub> = 400 V AC
10.9.3 Impulse withstand voltage	2.8 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.

#### **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])

Number of rowsImage: spacing sectorsImage: spacing sectors<				
With in number of modular spacingsImage: space of modular spacingsImage: space of modular s	Mounting method			Surface mounted (plaster)
Type of cover   Oor     Cover model   Closed     Transparent cover/door   Yes     Material housing   Material housing     Height   Material housing     Width   Material housing     Built- in depth   Material housing     Built- in depth   Material housing     Number of the product of the pro	Number of rows			1
Cover model   Image of the second s	Width in number of modular spacings			4
Tansparent cover/door   Feed   Feed   Feed     Material housing   Pasic   Pasic     Height   mm   40     Width   mm   50     Depth   mm   60     Buil-in depth   mm   60     Internal depth   mm   60     DIV-rail   mm   60     With mounting plate   MM   60     Edder Space   MM   60     RAC-resion   MM   60     RAL-number   MM   Material Housing     RAL-number   MM   Material Housing     Built-in depth   MM   Material Housing     Mith mounting plate   MM   Material Housing     Edder Space   MM   Material Housing     Built-in depth   MM   Material Housing	Type of cover			Door
Metrial housingImage: Basic Pastic Action of the section	Cover model			Closed
HeightImm40Widhmm95Depthmm83Buit-in depthmm60Internal depthmm60DN-railmm60With mounting plateMm90Extension possibleMm90EdderMm90ColourMm90RAL-numberMm90Buit-not (P)Mm90With lockMm90With lockMm90	Transparent cover/door			Yes
WidhImmSDepthmm3Buit-in depthmm7Internal depthmm6DN-railMm9With mounting plateMmMmExtension possibleMmNoENG-versionMmYesColourMmYesRAL-numberMmYesDegree of protection (IP)MmNoWith lockMmNoWith lockMmNoMith lockMmMmMith lockMmMm </td <td>Material housing</td> <td></td> <td></td> <td>Plastic</td>	Material housing			Plastic
Depthmm3Buit-in depthmm7Internal depthmm60DIN-railMm60With mounting plateMmYesExtension possibleMmNoEMC-versionMmYesColourMmYesRAL-numberMmYesDepte of protection (IP)MmYesWith lockMmYesWith lockMmYesMith lockMmYesMith lockMmYesMith lockMmYesMith lockMmYesMith lockMmYesMith lockMmYesMith lockMmYesMith lockMmMith lockMm <td>Height</td> <td>1</td> <td>mm</td> <td>140</td>	Height	1	mm	140
Built-in depthmm70Internal depthmm60DIN-railMm60With mounting plateMmVersionExtension possibleMmNoENC-versionMmVersionColourMmVersionRAL-numberMmMmDegree of protection (IP)MmMmWith lockMm	Width	I	mm	95
Internal depthmm60DIN-railFMSeWith mounting plateFMSeExtension possibleFMSeEMC-versionFMSeColourFMSeRAL-numberFMSeDegree of protection (IP)FMSeWith lockFMSe	Depth	1	mm	83
DIN-railYesWith mounting plateImage: Sector of ControlExtension possibleImage: Sector of ControlEMC-versionImage: Sector of ControlRAL-numberImage: Sector of ControlDegree of protection (IP)Image: Sector of ControlWith lockImage: Sector of ControlMith lockImage: Sector of	Built-in depth	1	mm	70
With mounting plateMoExtension possibleNoEMC-versionMoColourMoRAL-numberMoDegree of protection (IP)MoWith lockMo<	Internal depth	1	mm	60
Extension possibleImage: Sector of the sector o	DIN-rail			Yes
EMC-versionYesColourMiteRAL-number903Degree of protection (IP)IP30With lockNo	With mounting plate			No
Colour Mite   RAL-number 9003   Degree of protection (IP) IP30   With lock No	Extension possible			No
RAL-number 903   Degree of protection (IP) IP30   With lock No	EMC-version			Yes
Degree of protection (IP) IP30   With lock IP30	Colour			White
With lock No	RAL-number			9003
	Degree of protection (IP)			IP30
Type of closure Other	With lock			No
	Type of closure			Other



# Additional product information (links)

Product overview (Web)

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