

Part no.MINI-4Article no.177068Catalog No.MINI-4



Delivery programme

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		Without
Degree of Protection		IP20
Colour		White
Module rack		Single-rail
Shroud for protection against accidental contact		Plastic
Rows	Count	1
Module units per row		4
Description		IP20 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

General

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			IP20
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

Data for design verification according to IEC/EN 61439

Technical data for design verification			
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	Pv	C0	10
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees, calculated as per IEC 60890			
Individual enclosure for wall mounting	PV	C0	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.

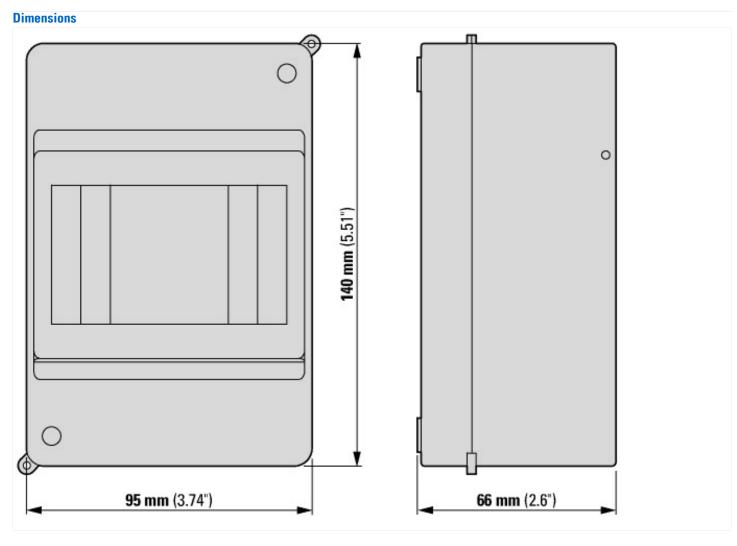
10.2.4 Resistance to ultra-violet (UV) radiation	Not relevant to indoor installations.
10.2.5 Lifting	Does not apply to enclosures without lifting aids.
10.2.6 Mechanical impact	IK05
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES	IP20
10.4 Clearances 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	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 5.0

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@ss8-27-14-24-09 [ACN387007])

Aumber of rowsImage: Figure Figur			
Vidth in number of modular spacingsMake of Marker Space Spa	Mounting method		Surface mounting
ype of coverMin hotchVith transparent coverMin bitAterial housingMinAterial housingMinHeightMinVith CouncilMinVith CouncilMinNothMinNathMin	Number of rows		1
With transparent coverImage: Material housingNoAderial housingMmImage: Material housingHeightMmImage: Material housingVidth Council housingMmImage: Material housingDeth HousingMmImage: Material housingVidth nouning plateMmImage: Material housingMcNersionMmImage: Material housingMcNersionMmImage: Material housingMaterial housingMmImage: Material housing <td>Width in number of modular spacings</td> <td></td> <td>4</td>	Width in number of modular spacings		4
Arterial housing Material housing Pasic Aterial housing mm 10 Aterial housing mm 50 Vidth mm 6 Sult-in depth mm 6 Diversion mm 6 Vidth nounting plate mm 70 Sult-or spin Material No McVersion Material No Sult-or spin Sold No Sult-or spin Sold No McVersion Sold No Soldor Sold Sold Soldor Soldor Soldor Soldor Soldor Soldor Soldor Soldor Soldor	Type of cover		With notch
Heightmm40Withmm50Depthmm60Built-in depthmm70IN-railMmVideWith mounting plateMmNoMC-versionMmNoColourMmVideAL-numberMmVideMathematicMmNoMathematicMmNoMathematicMmNoMathematicMmNoMathematicMmNoMathematicMmNoMathematicMmNoMathematicMmNoMathematicMmNoMathematicMmNoMathematicMmNoMathematicMmMm </td <td>With transparent cover</td> <td></td> <td>No</td>	With transparent cover		No
Withmm95Depthmm66Buil-in depthmm70DDN-railMm70With mounting plateMmNoExtension possibleMmNoColourMmMmBuil-in depthMmNoSchourMmMmSchour <td< td=""><td>Material housing</td><td></td><td>Plastic</td></td<>	Material housing		Plastic
Dephmm66Built-in dephmm70DN-railMmVesVit mounting plateMmNoExtension possibleMmNoColourMmVesColourMmVesAL-numberMm<	Height	mm	140
Built-in depth mm 70 DIN-rail Yes Vith mounting plate Yes Extension possible Yes Schour Yes Colour Yes Kal-number Yes Yes Yes	Width	mm	95
NN-railYesVith mounting plateNoVith mounting plateNoXetension possibleNoXMC-versionYesColourWhiteXAL-numberSolous	Depth	mm	66
Vith mounting plateNoixtension possibleNoiMC-versionYescolourWhiteAL-numberSolous	Built-in depth	mm	70
ixtension possible No IMC-version Colour AL-number AL	DIN-rail		Yes
IMC-version Yes Colour White RAL-number 003	With mounting plate		No
Colour White RAL-number 003	Extension possible		No
AL-number 9003	EMC-version		Yes
	Colour		White
Degree of protection (IP)	RAL-number		9003
	Degree of protection (IP)		IP20



Additional product information (links)

Product overview (Web)

http://www.eaton.eu/Europe/Electrical/ProductsServices