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Powering Business Worldwide

MINI-5-ST - Mini compact distribution board, 1-row 5 SU, IP30



177074 MINI-5-ST

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## 177074 MINI-5-ST

Mini compact distribution board, 1-row 5 SU, IP30

Alternate Catalog No.

EL-Nummer (Norway)

MINI-5-ST

1702979

Plastic mini compact distribution board, with transparent door, for installing switching and protective devices, in accordance with dimension standard DIN 43 880, with an installation depth of 70 mm and a current of up to 63 A, 400 V /50 Hz, IP30 degree of protection to IEC/EN 62208, approved for building service distribution boards in accordance with IEC/EN 61439-3 VDE 0660-600-3, for surface mounting, top with 46-mm device opening, sealable as standard, white base and cover with screw closure, knockout for metric cable entries on top, bottom, and back, protection Class II, 5 space units.



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- [Technical data ETIM 7.0](#)
- [Dimensions](#)

### 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  
5  
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  
Screw terminals  
PE and N terminals [Number x cross-sectional area]  
N: 1 x 16 mm<sup>2</sup>  
Equipment supplied  
Basic device  
Neutral-/protective conductor terminal

## Technical data

General  
Standards  
IEC/EN 62208  
RoHS (in accordance with Directive 2002/95/EC of the European Parliament and Council)  
conform  
Ambient temperature  
-5 - +40 °C  
Degree of Protection  
IP30  
Protection class  
II (totally insulated)  
Rated operational voltage [U<sub>e</sub>]  
400 V AC  
Rated frequency [f]  
50 Hz  
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>]

11 W

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>]

13 W

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 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 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 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation  
Not relevant to indoor installations.

10.2 Strength of materials and parts 10.2.5 Lifting  
Does not apply to enclosures without lifting aids.

10.2 Strength of materials and parts 10.2.6 Mechanical impact  
IK05

10.2 Strength of materials and parts 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 Insulation properties 10.9.3 Impulse withstand voltage  
2.8 kV

10.9 Insulation properties 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.

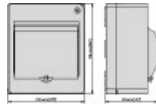
10.13 Mechanical function  
Meets the product standard's requirements.

## 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])  
Mounting method  
Surface mounted (plaster)  
Number of rows  
1  
Width in number of modular spacings  
5  
Type of cover  
Door  
Cover model  
Closed  
Transparent cover/door  
Yes  
Material housing  
Plastic  
Height  
140 mm  
Width  
120 mm  
Depth  
83 mm  
Built-in depth  
70 mm  
Internal depth  
60 mm  
DIN-rail  
Yes

With mounting plate  
No  
Extension possible  
No  
EMC-version  
Yes  
Colour  
White  
RAL-number  
9003  
Degree of protection (IP)  
IP30  
With lock  
No  
Type of closure  
Other

## Dimensions



## Additional product information

- [Product overview \(Web\)](#)  
(Web)

## Product photo



vt77114

Photo

Mini compact distribution board IP30 1-row 5 MJ



vt77214

Photo

Mini compact distribution board IP30 1-row 5 MJ

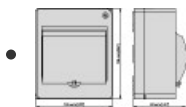


vt80014

Photo

Mini compact distribution board IP30 1-row 5 MJ

## Dimensions single product



4500DIM-109

Line drawing

Mini compact distribution board IP30 1-row 4 MJ

## Declaration of Conformity

EU

- [DA-DC-03\\_xComfort\\_MCRO\\_MINI\\_251017](#)  
Asset  
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