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Powering Business Worldwide

MINI-5 - Mini compact distribution board, 1-row 5 SU, IP20



177069 MINI-5

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177069 MINI-5

Mini compact distribution board, 1-row 5 SU, IP20

Alternate Catalog No.

MINI-5

EL-Nummer (Norway)

1702974

Plastic mini compact distribution board, 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, IP20 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

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
5
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

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
IP20
Protection class
II (totally insulated)
Rated operational voltage [Ue]
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_v]
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_v]
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

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 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

None

Cover model

With notch

Transparent cover/door

No

Material housing

Plastic

Height

140 mm

Width

120 mm

Depth

66 mm

Built-in depth

70 mm

Internal depth

60 mm

DIN-rail

Yes

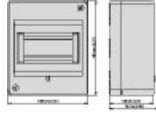
With mounting plate

No

Extension possible

No
EMC-version
Yes
Colour
White
RAL-number
9003
Degree of protection (IP)
IP20
With lock
No
Type of closure
Other

Dimensions



Additional product information

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

Product photo



[vt77914](#)

Photo

Mini compact distribution board IP20 1-row 5 MJ



[vt78014](#)

Photo

Mini compact distribution board IP20 1-row 5 MJ

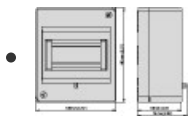


[vt80114](#)

Photo

Mini compact distribution board IP20 1-row 5 MJ

Dimensions single product



[4500DIM-108](#)

Line drawing

Mini compact distribution board IP30 1-row 3 MJ

Declaration of Conformity

EU

- [DA-DC-03_xComfort_MCRO_MINI_251017](#)
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