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MINI-3 - Mini compact distribution board, 1-row 3 SU, IP20

177067 MINI-3

Overview Specifications Resources

177067 MINI-3

Mini compact distribution board, 1-row 3 SU, IP20

Alternate Catalog No.	MINI-3
EL-Nummer (Norway)	1702972

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, 3 space units.

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- Delivery program
- Technical data
- Design verification as per IEC/EN 61439
- 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
3
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
MechanicalImpact 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 60890Individual enclosure for wall mounting [P_V]
10 W
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890Individual enclosure for wall mounting [P_V]
12 W
IEC/EN 61439 design verification
10.2 Strength of materials and parts10.2.2 Corrosion resistance
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.3 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 parts10.2.4 Resistance to ultra-violet (UV) radiation
Not relevant to indoor installations.
10.2 Strength of materials and parts10.2.5 Lifting

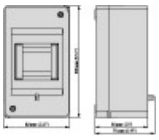
Does not apply to enclosures without lifting aids.
10.2 Strength of materials and parts10.2.6 Mechanical impact
IK05
10.2 Strength of materials and parts10.2.7 Inscriptions
Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES
IP20
10.4 Clearances and creepage distances
Is 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 properties10.9.2 Power-frequency electric strength
U_i = 400 V AC
10.9 Insulation properties10.9.3 Impulse withstand voltage
2.8 kV
10.9 Insulation properties10.9.4 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
3
Type of cover
None
Cover model
With notch
Transparent cover/door
No
Material housing
Plastic
Height
140 mm
Width
82 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



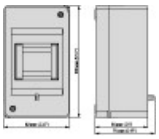
Additional product information

- Product overview (Web)
  (Web)

Product photo

- 
  vt78514
  Photo
  Mini compact distribution board IP20 1-row 3 MU
- 
  vt78614
  Photo
  Mini compact distribution board IP20 1-row 3 MU
- 
  vt80414
  Photo
  Mini compact distribution board IP20 1-row 3 MU

Dimensions single product

- 
  4500DIM-104
  Line drawing
  Mini compact distribution board IP20 1-row 4 MU

Declaration of Conformity

EU

- DA-DC-03_xComfort_MICRO_MINI_251017
  Asset
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