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Worldwide English



Powering Business Worldwide

XVTL-MP/BX/IC-10/3/18 - Distribution cabinet, HxWxD=1800x1000x300mm, IP55



114572 XVTL-MP/BX/IC-10/3/18

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114572 XVTL-MP/BX/IC-10/3/18

Distribution cabinet, HxWxD=1800x1000x300mm, IP55

EL-Nummer (Norway)

2459987

Frame, rear panel, door, roof closed, mounting plate 3 mm, multi-part bottom plates, lifting eyelets, double-bit lock

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Delivery program

Product range

Control centres XVTL

Basic function

Combination enclosures

Single unit/Complete unit

Complete housing

Degree of Protection

IP55 (with door and flange)

Description

Fragment basic equipment

Including open cable entries top, prepared for F3A flange

Material

Sheet steel 2 mm

Surface finish

Polyester powder coating

Phosphated

RAL 7035, light grey

Colour

light gray (RAL 7035)

Information about equipment supplied

including frame, sheet steel doors, back plate, bottom and top plate, mounting plate, lifting eyelets, cylinder lock and branding strip

Including support frame for the IVS mounting units

including insulating surround and mounted insulated support bracket
Without side walls
Width
1000 mm
Height
1800 mm
Depth
300 mm

Technical data

General

Standards

IEC/EN 60439-1

IEC/EN 60439-3

IEC/EN 62208

Protection class

1

40 °C (intermittent maximum value)

35 °C (maximum value, 24 h average)

-5 °C (minimum value)

Installation conditions

Indoor installation

Degree of Protection

IP55 (with door and flange)

Relative humidity

50% (at 40°C)

Power loss Max. admissible heat dissipation, ambient air temperature +35 °C

484 W

Weight

121 kg

Material characteristics

Material

Sheet steel 2 mm

Surface treatment

Painting, phosphated and polyester powder coating

Surface finish

Polyester powder coating

Phosphated

RAL 7035, light grey

Colour

light gray (RAL 7035)

Material characteristics Type Door

Outside-supported doors with hidden hinges

Can be removed from 90°

From width 1000 mm two doors

Material characteristics door opening angle

120° (single mounting)

120° (combination mounting)

Material characteristics Door interlock

Folding handle with espagnolette lock

Can be fitted with profile cylinder

Three-point interlock

Material properties

Mechanical Cable entry

Various covers allow cable entry from above and/or below

Electrical Rated insulation voltage [U_i]

690 V

Electrical Rated operational voltage [U_o]

415 V

Electrical Rated frequency [f]

50 (AC) Hz

Electrical Rated impulse withstand voltage [U_{imp}]

6 kV

Electrical Rated operational current [I_o]

2500 A

Electrical Overvoltage category/pollution degree

IV/3

Electrical Rated short-time withstand current ($t=1s$) [I_{cw}]

65 kA
 Electrical Rated peak withstand current [I_{pk}]
 143 kA
 Electrical Max. admissible heat dissipation, ambient air temperature +35 °C
 484 W
 Electrical Earthings
 Screw M10: 50 x 106 A²s (base frame, main earthing)
 Tapite screw M6: 3.9 x 106 A²s (enclosure side plate, back plate)
 M6 weld stud: 50 x 106 A²s (door)

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, free-standing [P_v]

230 W

Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890 Starting enclosure, free-standing [P_v]

224 W

Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890 Middle enclosure, free-standing [P_v]

218 W

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]

207 W

Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890 Starting enclosure for wall mounting [P_v]

204 W

Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890 Middle enclosure for wall mounting [P_v]

211 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, free-standing [P_v]

461 W

Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 Starting enclosure, free-standing [P_v]

449 W

Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 Middle enclosure, free-standing [P_v]

438 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]

416 W

Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 Starting enclosure for wall mounting [P_v]

410 W

Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890 Middle enclosure for wall mounting [P_v]

423 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

Not applicable.

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

Not applicable.

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

Met; assembled and secured as per the latest applicable instruction leaflet.

10.2 Strength of materials and parts 10.2.6 Mechanical impact

IK10

10.2 Strength of materials and parts 10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of ASSEMBLIES

IP55

10.4 Clearances and creepage distances
Is the panel builder's responsibility.

10.5 Protection against electric shock
< 0.1 Ω ; meets the product standard's requirements.

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
 $U_i = 690$ V AC

10.9 Insulation properties 10.9.3 Impulse withstand voltage
6 kV

10.9 Insulation properties 10.9.4 Testing of enclosures made of insulating material
Does not apply to metal enclosures.

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

Cabinet enclosures (EG000011) / Enclosure/switchgear cabinet (empty) (EC000261)
Electric engineering, automation, process control engineering / Electrical cabinet, housing, rack / Electrical cabinet (empty) / Electrical cabinet (ec1@ss10.0.1-27-18-01-01 [AGZ056016])

Width
1000 mm

Height
1800 mm

Depth
300 mm

Material
Steel

Material quality
Other

Surface finishing
Powder coating

Colour
Grey

RAL-number
7035

With mounting plate
Yes

Mounting plate depth-adjustable
No

Number of locks
1

Floor installation possible
Yes

Wall fastening possible
Yes

Wall build in
No

Pole fastening
No

Tackable
Yes

Number of doors
2

Suitable for metrical mounting
Yes

Suitable for outdoor set-up
No

Pitched roof
No
EMC-version
Yes
With glazed door
No
With ventilation door
No
With backside door
No
Impact strength
IK10
Degree of protection (IP)
IP55
Degree of protection (NEVA)

Product photo



[wa_vt28613](#)
Photo
Add-on board

Manual

- [DA-MN-170914860](#)
Asset
(PDF, de)

Declaration of Conformity

EU

- [DA-DC-03_xEnergy_Light_XVTL-_200416](#)
Asset
(PDF)

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