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Powering Business Worldwide

XVTL-MP/BX/IC-8/4/16 - Distribution cabinet, HxWxD=1600x800x400mm, IP55

114556 XVTL-MP/BX/IC-8/4/16

Overview Specifications Resources

114556 XVTL-MP/BX/IC-8/4/16

Distribution cabinet, HxWxD=1600x800x400mm, IP55

EL-Nummer (Norway) 2459971

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

- Delivery program
- Technical data
- Design verification as per IEC/EN 61439
- Technical data ETIM 7.0

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
800 mm
Height
1600 mm
Depth
400 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 lossMax. admissible heat dissipation, ambient air temperature +35 °C
439 W
Weight
94 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 characteristicsType Door
Outside-supported doors with hidden hinges
Can be removed from 90°
Material characteristicsdoor opening angle
120° (single mounting)
120° (combination mounting)
Material characteristicsDoor interlock
Folding handle with espagnolette lock
Can be fitted with profile cylinder
Three-point interlock
Material properties
MechanicalCable entry
Various covers allow cable entry from above and/or below
ElectricalRated insulation voltage [U_i]
690 V
ElectricalRated operational voltage [U_e]
415 V
ElectricalRated frequency [f]
50 (AC) Hz
ElectricalRated impulse withstand voltage [U_{imp}]
6 kV
ElectricalRated operational current [I_e]
2500 A
ElectricalOvervoltage category/pollution degree
IV/3
ElectricalRated short-time withstand current (t=1s) [I_{cw}]
65 kA

ElectricalRated peak withstand current [I_{pk}]
143 kA
ElectricalMax. admissible heat dissipation, ambient air temperature +35 °C
439 W
ElectricalEarthings
Screw M10: 50 x 106 A^2s (base frame, main earthing)
Taptite screw M6: 3.9 × 106 A^2s (enclosure side plate, back plate)
M6 weld stud: 50 × 106 A^2s (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 60890Individual enclosure, free-standing [P_V]
210 W
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890Starting enclosure, free-standing [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 60890Middle enclosure, free-standing [P_V]
199 W
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]
199 W
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890Starting enclosure for wall mounting [P_V]
178 W
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890Middle enclosure for wall mounting [P_V]
163 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, free-standing [P_V]
420 W
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890Starting enclosure, free-standing [P_V]
408 W
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890Middle enclosure, free-standing [P_V]
399 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]
399 W
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890Starting enclosure for wall mounting [P_V]
358 W
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890Middle enclosure for wall mounting [P_V]
327 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
Not applicable.
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
Not applicable.
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
Met; assembled and secured as per the latest applicable instruction leaflet.
10.2 Strength of materials and parts10.2.6 Mechanical impact
IK10
10.2 Strength of materials and parts10.2.7 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 properties10.9.2 Power-frequency electric strength
U_i = 690 V AC
10.9 Insulation properties10.9.3 Impulse withstand voltage
6 kV
10.9 Insulation properties10.9.4 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 (ecl@ss10.0.1-27-18-01-01 [AGZ056016])
Width
800 mm
Height
1600 mm
Depth
400 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
1
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 (NEMA)

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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