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XVTL-BF-12/8/20 - Distribution cabinet, HxWxD=2000x1200x800mm, IP40



114439 XVTL-BF-12/8/20

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# 114439 XVTL-BF-12/8/20

Distribution cabinet, HxWxD=2000x1200x800mm, IP40

EL-Nummer (Norway)

2459909

Frame with 2x depth mounting, rear panel, door, roof closed

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

## 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<sub>v</sub>]

435 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<sub>v</sub>]

410 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<sub>v</sub>]

389 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<sub>v</sub>]

403 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<sub>v</sub>]

387 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<sub>v</sub>]

375 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<sub>v</sub>]

872 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<sub>v</sub>]

822 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<sub>v</sub>]

780 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<sub>v</sub>]

809 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<sub>v</sub>]

775 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<sub>v</sub>]

752 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

IP40

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<sub>i</sub> = 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

1200 mm

Height

2000 mm

Depth

808.5 mm

Material  
Steel  
Material quality  
Other  
Surface finishing  
Powder coating  
Colour  
Grey  
RAL-number  
7035  
With mounting plate  
No  
Mounting plate depth-adjustable  
Yes  
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)  
IP40  
Degree of protection (NEVA)

## Product photo



[wa\\_vt28513](#)

Photo

Fragment add-on board, IP55

## Manual

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

## Declaration of Conformity

- [DA-DC-03\\_xEnergy\\_Light\\_XVTL-\\_200416](#)  
Asset  
(PDF)

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