



**Distribution cabinet, HxWxD=1600x600x300mm, IP40**

**Part no. XVTL-BF-6/3/16**  
**Catalog No. 114387**

**EL-Nummer (Norway) 0002459857**

**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> | W | 137  |
| Starting enclosure, free-standing   | P <sub>V</sub> | W | 127  |
| Middle enclosure, free-standing   | P <sub>V</sub> | W | 119  |
| Individual enclosure for wall mounting  | P <sub>V</sub> | W | 120  |
| Starting enclosure for wall mounting  | P <sub>V</sub> | W | 113  |
| Middle enclosure for wall mounting  | P <sub>V</sub> | W | 97   |
| 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> | W | 274  |
| Starting enclosure, free-standing   | P <sub>V</sub> | W | 255  |
| Middle enclosure, free-standing   | P <sub>V</sub> | W | 239  |
| Individual enclosure for wall mounting  | P <sub>V</sub> | W | 240  |
| Starting enclosure for wall mounting  | P <sub>V</sub> | W | 227  |
| Middle enclosure for wall mounting  | P <sub>V</sub> | W | 194  |
| IEC/EN 61439 design verification  |                |   |  |
| 10.2 Strength of materials and parts  |                |   |  |
| 10.2.2 Corrosion resistance   |                |   | Meets the product standard's requirements.   |
| 10.2.3.1 Verification of thermal stability of enclosures  |                |   | Meets the product standard's requirements.   |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat  |                |   | Not applicable.  |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects        |                |   | Not applicable.  |
| 10.2.4 Resistance to ultra-violet (UV) radiation  |                |   | Not relevant to indoor installations.  |
| 10.2.5 Lifting  |                |   | Met; assembled and secured as per the latest applicable instruction leaflet.   |
| 10.2.6 Mechanical impact  |                |   | IK10   |
| 10.2.7 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 properties  |                |   |  |
| 10.9.2 Power-frequency electric strength  |                |   | U <sub>i</sub> = 690 V AC  |
| 10.9.3 Impulse withstand voltage  |                |   | 6 kV   |
| 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.   |

## 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                           | mm | 600            |
| Height                          | mm | 1600           |
| Depth                           | mm | 308.5          |
| 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                 |    | 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)       |    | IP40           |
| Degree of protection (NEMA)     |    |                |