

# Specifications



## Eaton 114552

Eaton xEffect xVtl Enclosures Switch- & Controlgear Enclosure. Distribution cabinet, HxWxD=1600x600x300mm, IP55, 6/3/16

### General specifications

<b>PRODUCT NAME</b>	Eaton xEffect xVtl empty enclosure
<b>CATALOG NUMBER</b>	114552
<b>MODEL CODE</b>	XVTL-MP/BX/IC-6/3/16
<b>EAN</b>	4015081139521
<b>PRODUCT LENGTH/DEPTH</b>	600 mm
<b>PRODUCT HEIGHT</b>	1600 mm
<b>PRODUCT WIDTH</b>	308.5 mm
<b>PRODUCT WEIGHT</b>	73 kg
<b>COMPLIANCES</b>	RoHS conform
<b>CERTIFICATIONS</b>	IEC/EN 62208 IEC/EN 60439-1 IEC/EN 60439-3
<b>GLOBAL CATALOG</b>	114552



Powering Business Worldwide

## Product specifications

### SPECIAL FEATURES

- 40 °C (intermittent maximum value)
- 35 °C (maximum value, 24 h average)
- -5 °C (minimum value)
- Fragment basic equipment
- Including open cable entries top, prepared for F3A flange
- 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

## Resources

### CATALOGS

[eaton-xenergy-light-add-on-distribution-board-product-catalog-2017-en-us.pdf](#)

[eaton-pdd-xenergy-light-catalog-ca014022en-en-us.pdf](#)

### MANUALS AND USER GUIDES

[DA-MN-170914860](#)

<b>TYPE</b>	Control centres XVTL
<b>FEATURES</b>	EMC-version Connectable
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility.
<b>10.13 MECHANICAL FUNCTION</b>	Meets the product standard's requirements.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Not applicable.

<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Not applicable.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Not relevant to indoor installations.
<b>10.2.5 LIFTING</b>	Met; assembled and secured as per the latest applicable instruction leaflet.
<b>10.2.6 MECHANICAL IMPACT</b>	IK10
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	IP55
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Is the panel builder's responsibility.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	< 0.1 $\Omega$ ; meets the product standard's requirements.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Is the panel builder's responsibility.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Ui = 690 V AC
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	6 kV
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Does not apply to metal enclosures.
<b>FITTED WITH:</b>	Screw M10: 50 x 106 A <sup>2</sup> s (base frame, main earthing) M6 weld stud: 50 x 106 A <sup>2</sup> s (door) Mounting plate Taptite screw M6: 3.9 x 106 A <sup>2</sup> s (enclosure side plate, back plate)
<b>FREQUENCY RATING</b>	50 Hz
<b>POLLUTION DEGREE</b>	3
<b>SURFACE FINISHING</b>	Painting, phosphated and polyester powder coating

	RAL 7035, light gray Powder coating Phosphated Polyester powder coating
<b>DEGREE OF PROTECTION</b>	IP55 IP55 (with door and flange)  IK10 4X (NEMA)
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	6 kV
<b>CABLE ENTRY POSTION</b>	Various covers allow cable entry from above and/or below
<b>GRADE MATERIAL</b>	Sheet steel 2 mm
<b>UNIT TYPE</b>	Complete housing
<b>VOLTAGE RATING</b>	415 V
<b>ADMISSIBLE HEAT DISSIPATION (AMBIENT AIR TEMPERATURE +35 °C) - MAX</b>	354 W
<b>ADMISSIBLE HEAT DISSIPATION (NH-SE) - MAX</b>	354 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C FREE STAND INDIVID. ENCL. TOP (IEC 60890)</b>	134 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C FREE STAND MIDDLE ENCL. TOP (IEC 60890)</b>	118 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C FREE STAND STARTING ENCL. TOP (IEC 60890)</b>	125 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	118 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>	95 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>	112 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:35°C FREE STAND INDIVID. ENCL. TOP (IEC 60890)</b>	269 W

<b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C FREE STAND MIDDLE ENCL. TOP (IEC 60890)</b>	236 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C FREE STAND STARTING ENCL. TOP (IEC 60890)</b>	251 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	236 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>	190 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>	224 W
<b>MATERIAL QUALITY</b>	Other
<b>RATED SHORT-TIME WITHSTAND CURRENT (ICW)</b>	65 kA
<b>COLOR</b>	Gray
<b>COVER/DOOR TYPE</b>	Door interlock can be fitted with profile cylinder Can be removed from 90° Folding handle with espagnolette lock Outside-supported doors with hidden hinges Three-point interlock
<b>PERMISSIBLE LOAD OF THE MOUNTING PLATE ACCORDING TO IEC 62208 - MAX</b>	4000 N
<b>NUMBER OF LOCKS</b>	1
<b>RAL-NUMBER</b>	7035
<b>RATED INSULATION VOLTAGE (UI)</b>	690 V
<b>RATED PEAK WITHSTAND CURRENT</b>	143 kA
<b>MATERIAL</b>	Sheet steel 2 mm Steel
<b>MOUNTING METHOD</b>	Wall fastening
<b>OVERVOLTAGE CATEGORY</b>	IV
<b>FREQUENCY RATING OF CONTACTS</b>	50 Hz (AC)
<b>FUNCTIONS</b>	Combination enclosure
<b>INSTALLATION TYPE</b>	Floor standing wall model

<b>RATED OPERATION CURRENT (IE)</b>	2500 A
<b>COVER/DOOR ANGLE</b>	120° door opening angle (single mounting) 120° door opening angle (combination mounting)
<b>PROTECTION CLASS</b>	I
<b>INSTALLATION SITE</b>	Indoor installation
<b>RELATIVE HUMIDITY</b>	50 % (at 40 °C)
<b>SURFACE TREATMENT</b>	Painting, phosphated and polyester powder coating
<b>NUMBER OF COVERS/DOORS</b>	1
<b>SUITABLE FOR</b>	Metrical mounting
<b>PERMISSIBLE LOAD OF THE ENCLOSURE ACCORDING TO IEC 62208 - MAX</b>	5000 N
<b>PERMISSIBLE LOAD OF THE DOOR(S) ACCORDING TO IEC 62208 - MAX</b>	1000 N
<b>THERMAL DISSIPATION (DELTA T = 20 K) ACCORDING TO IEC/TR 60890</b>	235.709 W
<b>NUMBER OF CONNECTOR HOLES</b>	0

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**



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