



## Eaton 116646

Eaton xEnergy Basic LV systems Low voltage switchgear. Surface-mount service distribution board with three-point turn-lock, fire-resistant, W 800 mm H 1560 mm, white

116646

<b>PRODUCT NAME</b>	Eaton xEnergy Basic small distribution board
<b>CATALOG NUMBER</b>	116646
<b>PRODUCT LENGTH/DEPTH</b>	262 mm
<b>PRODUCT HEIGHT</b>	1560 mm
<b>PRODUCT WIDTH</b>	800 mm
<b>PRODUCT WEIGHT</b>	47.8 kg
<b>COMPLIANCES</b>	RoHS conform

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<b>TYPE</b>	Basic device
<b>FEATURES</b>	EMC-version
<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>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Not relevant to indoor installations.
<b>10.2.5 LIFTING</b>	Does not apply to enclosures without lifting aids.
<b>10.2.6 MECHANICAL IMPACT</b>	IK08
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	IP30
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Is the panel builder's responsibility.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	< 0.1 Ω; 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</b>	Is the panel builder's

**ELECTRICAL CIRCUITS  
AND CONNECTIONS** responsibility.

<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
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<b>10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH</b>	Ui = 440 V AC
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<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	4 kV
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<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Does not apply to metal enclosures.
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<b>SURFACE FINISHING</b>	With powder coating
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<b>ENCLOSURE MATERIAL</b>	Steel
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<b>BUILT-IN HEIGHT</b>	1590 mm
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<b>BUILT-IN WIDTH</b>	830 mm
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<b>BUILT-IN DEPTH</b>	300 mm
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<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	139 W
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<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>	128 W
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<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>	132 W
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<b>CLOSURE TYPE</b>	Other
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<b>COVER/DOOR MODEL</b>	Closed
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<b>COVER/DOOR TYPE</b>	Door Three-point turn-lock Single
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<b>RAL-NUMBER</b>	9016
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<b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>	35
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<b>APPLICATION</b>	Indoor (installation site)
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<b>COLOR</b>	Traffic white (RAL 9016) White
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<b>NUMBER OF ROWS</b>	9
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<b>FIRE RESISTANCE GRADE</b>	Fire-resistant (E60/EW60)
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<b>DEGREE OF PROTECTION</b>	IP30
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<b>FUNCTIONS</b>	Basic device Extension possible Sealable
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<b>MATERIAL</b>	Sheet steel
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<b>MOUNTING METHOD</b>	Surface mounted (plaster) Surface mounting
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**HEAT DISS. AMBIENT**  
**35°C DELTA T:35°C WALL**  
**MOUNT INDIVID. ENCL.**  
**TOP (IEC 60890)**

278 W

**HEAT DISS. AMBIENT**  
**35°C DELTA T: 35°C WALL**  
**MOUNT MIDDLE ENCL.**  
**TOP (IEC 60890)**

256 W

**HEAT DISS. AMBIENT**  
**35°C DELTA T:35°C WALL**  
**MOUNT STARTING ENCL.**  
**TOP (IEC 60890)**

265 W

**INTERNAL DEPTH** 257.5 mm

**NUMBER OF OPENINGS** 0  
**FOR SOCKET OUTLETS**

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