

# Specifications

## Eaton 143149

Eaton xEnergy Basic LV systems Low voltage switchgear. Installation Distribution Board steel sheet complete WxH=800x1560mm

### General Specifications

<b>PRODUCT NAME</b>	Eaton xEnergy Basic small distribution board
<b>CATALOG NUMBER</b>	143149
<b>EAN</b>	4015081398218
<b>PRODUCT LENGTH/DEPTH</b>	243 mm
<b>PRODUCT HEIGHT</b>	1560 mm
<b>PRODUCT WIDTH</b>	834 mm
<b>PRODUCT WEIGHT</b>	42.5 kg
<b>COMPLIANCES</b>	RoHS conform
<b>MODEL CODE</b>	BP-U-3S-MES-800/15-ST



Powering Business Worldwide

## Product specifications

FEATURES	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>	IK07
<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 ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.

## Resources

BROCHURES	<a href="#">eaton-xenergy-basic-light-brochure-br014024-en-us.pdf</a>
CATALOGUES	<a href="#">eaton-distribution-boards-xenergy-basic-catalog-ca014010en-en-us.pdf</a>
DECLARATIONS OF CONFORMITY	<a href="#">eaton-small-distribution-board-declaration-of-conformity-eu250305en.pdf</a>
DRAWINGS	<a href="#">eaton-low-voltage-switch-gear-dimensions-1230dim-441.eps</a>
FLYERS	<a href="#">eaton-xenergy-basic-profisnap-flyer-fl019008en-en-us.pdf</a>
MCAD MODEL	<a href="#">eaton-empty-consumer-units-mcad-3d-models-bp-u-3s-mes-800-15-st.stp</a>
SALES NOTES	<a href="#">eaton-f3a-flange-flyer-fl019005en-en-us.pdf</a>

<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Ui = 440 V AC
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	4 kV
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Does not apply to metal enclosures.
<b>ENCLOSURE MATERIAL</b>	Steel
<b>BUILT-IN HEIGHT</b>	1527 mm
<b>BUILT-IN WIDTH</b>	806 mm
<b>BUILT-IN DEPTH</b>	240 mm
<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C FLUSH MOUNT INDIVID. ENCL. TOP(IEC 60890)</b>	120 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:35°C FLUSH MOUNT INDIVID. ENCL. TOP(IEC 60890)</b>	240 W
<b>CLOSURE TYPE</b>	Other
<b>COVER/DOOR MODEL</b>	Closed
<b>COVER/DOOR TYPE</b>	Door Single
<b>RAL-NUMBER</b>	7035
<b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>	35
<b>COLOR</b>	Gray
<b>NUMBER OF ROWS</b>	7
<b>DEGREE OF PROTECTION</b>	IP30
<b>FUNCTIONS</b>	Sealable
<b>MOUNTING METHOD</b>	Flush mounted (plaster) DIN-rail
<b>INTERNAL DEPTH</b>	242 mm
<b>NUMBER OF OPENINGS FOR SOCKET OUTLETS</b>	0

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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**Eaton Corporation plc** Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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