

## Eaton 149158

Eaton xEnergy Basic LV systems Low voltage switchgear. Surface-mount service distribution board with three-point turn-lock, mounting side panel, W = 800 mm, H = 1060 mm

### General specifications

<b>PRODUCT NAME</b>	Eaton xEnergy Basic small distribution board
<b>CATALOG NUMBER</b>	149158
<b>EAN</b>	4015081455041
<b>PRODUCT LENGTH/DEPTH</b>	280 mm
<b>PRODUCT HEIGHT</b>	1075 mm
<b>PRODUCT WIDTH</b>	815 mm
<b>PRODUCT WEIGHT</b>	30.5 kg
<b>COMPLIANCES</b>	RoHS conform
<b>MODEL CODE</b>	BP-O-800/10-PSN



### Delivery program

<b>TYPE</b>	Basic device
<b>APPLICATION</b>	Indoor (installation site) Mounting side wall
<b>COLOR</b>	Gray Light gray (RAL 7035)

### Technical data - mechanical

<b>CLOSURE TYPE</b>	Other
<b>SURFACE FINISHING</b>	With powder coating
<b>ENCLOSURE MATERIAL</b>	Steel
<b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>	35
<b>MOUNTING METHOD</b>	Surface mounting Surface mounted (plaster)
<b>MATERIAL</b>	Sheet steel
<b>NUMBER OF ROWS</b>	6
<b>BUILT-IN DEPTH</b>	280 mm
<b>BUILT-IN HEIGHT</b>	1075 mm
<b>BUILT-IN WIDTH</b>	815 mm
<b>COVER/DOOR MODEL</b>	Closed
<b>COVER/DOOR TYPE</b>	Three-point turn-lock Door Single

## Temperature-rise verification as per IEC 60890

HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	86 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	173 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	95 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	90 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	191 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	181 W

## Design verification as per IEC/EN 61439

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	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Not relevant to indoor installations.
10.2.5 LIFTING	Does not apply to enclosures without lifting aids.
10.2.6 MECHANICAL IMPACT	IK07
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	IP30
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.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	U <sub>i</sub> = 440 V AC
10.9.3 IMPULSE WITHSTAND VOLTAGE	4 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.
10.13 MECHANICAL	Meets the product standard's

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<b>FUNCTION</b>	requirements.
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### Additional information

<b>FEATURES</b>	EMC-version
<b>FUNCTIONS</b>	Extension possible Basic device
<b>RAL-NUMBER</b>	7035

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### Zasoby

<b>BROSZURY</b>	<a href="#">eaton-xenergy-basic-light-brochure-br014024-en-us.pdf</a>
<b>DEKLARACJE ZGODNOŚCI</b>	<a href="#">DA-DC-03 xEnergy Basic BP</a>
<b>DWG</b>	<a href="#">eaton-low-voltage-switch-gear-dimensions-1230dim-434.eps</a>
<b>INFORMACJE HANDLOWE</b>	<a href="#">eaton-f3a-flange-flyer-fl019005en-en-us.pdf</a>
<b>KATALOGI</b>	<a href="#">eaton-distribution-boards-xenergy-basic-catalog-ca014010en-en-us.pdf</a>
<b>MCAD MODEL</b>	<a href="#">DA-CD-bp_0_msw_13</a> <a href="#">eaton-cadenas-path-media_assets-assemblies-bp_0_msw_13_asmtpl.prj</a> <a href="#">eaton-cadenas-front_view-bp_0_msw_13_v_front.pra</a> <a href="#">DA-CS-bp_0_msw_13</a> <a href="#">eaton-cadenas-side_view-bp_0_msw_13_s_side.pra</a>

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**PROJECT NAME:**

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**PROJECT NUMBER:**

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**PREPARED BY:**

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**DATA:**

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

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