

## Eaton 103096

Eaton xComfort BF LV systems Final Distribution Boards. Complete surface-mounted flat distribution board, grey, 33 SU per row, 6 rows, type C

PRODUCT NAME	Eaton xComfort BF small distribution board
CATALOG NUMBER	103096
PRODUCT LENGTH/DEPTH	150 mm
PRODUCT HEIGHT	1060 mm
PRODUCT WIDTH	715 mm
PRODUCT WEIGHT	20.5 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 61439-3 IEC/EN 62208 IEC/EN 61439-1

<b>USED WITH</b>	Basic device
	BF flat distribution board Installation distribution board
<b>SPECIAL FEATURES</b>	IP30 Protection Class I Steel sheet enclosure gray (RAL 7035)
<b>TYPE</b>	Basic device BF flat DBO Installation distribution boards
<b>FEATURES</b>	EMC-version Earthing terminal block Neutral terminal block
<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.

<a href="#">eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf</a>
<a href="#">eaton-xcomfort-bf-lv-systems-dimensions-002.eps</a>

<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 $\Omega$ ; 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 = 415 V AC
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Does not apply to basic enclosures as defined in EN 62208.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Does not apply to metal enclosures.
<b>FITTED WITH:</b>	Enclosure Front plates Neutral-/protective conductor terminal DIN rail mounting frame Cable gland plate inserts (top) Door with three-point turn-lock
<b>ENCLOSURE MATERIAL</b>	Steel
<b>BUILT-IN HEIGHT</b>	1060 mm
<b>BUILT-IN WIDTH</b>	715 mm
<b>CABLE ENTRY POSTION</b>	Cable entries on top and bottom
<b>TERMINAL TYPE</b>	Screw terminals
<b>BUILT-IN DEPTH</b>	150 mm
<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	59 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>	58 W

<b>HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)</b>	58 W
<b>CLOSURE TYPE</b>	Other
<b>COVER/DOOR COLOR</b>	Gray
<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>	33
<b>AMBIENT OPERATING TEMPERATURE DETAILS</b>	-5 °C - 40 °C
<b>APPLICATION</b>	Indoor (installation site)
<b>VOLTAGE RATING AT AC</b>	415 V AC
<b>COLOR</b>	Gray Light gray (RAL 7035)
<b>NUMBER OF ROWS</b>	6
<b>FREQUENCY RATING OF CONTACTS</b>	50 Hz / 60 Hz
<b>MODULE RACK TYPE</b>	Rail frame
<b>DEGREE OF PROTECTION</b>	IK07 (impact resistance) IP30
<b>NUMBER OF MODULE SPACE UNITS PER ROW</b>	33
<b>PROTECTION CLASS</b>	I (earthed)
<b>PROTECTIVE SHROUDING MATERIAL</b>	Metal
<b>FUNCTIONS</b>	Basic device Sealable
<b>MATERIAL</b>	Sheet steel, powder- coated
<b>MOUNTING METHOD</b>	Surface mounted (plaster) Surface mounting DIN-rail
<b>HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)</b>	118 W
<b>HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)</b>	116 W
<b>HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL.</b>	117 W

TOP (IEC 60890)	
INTERNAL DEPTH	131 mm
PE AND N TERMINAL NUMBER AND CROSS SECTION	PE: 2 x 25 mm <sup>2</sup> + 58 x 16 mm <sup>2</sup> N: 2 x 25 mm <sup>2</sup> + 58 x 16 mm <sup>2</sup>
NUMBER OF OPENINGS FOR SOCKET OUTLETS	0

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
:



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