

# Specifications



Photo is representative



## Eaton 240744

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

### General specifications

<b>PRODUCT NAME</b>	Eaton xComfort BF small distribution board
<b>CATALOG NUMBER</b>	240744
<b>MODEL CODE</b>	BF-O-6/198-A
<b>EAN</b>	4015082407445
<b>PRODUCT LENGTH/DEPTH</b>	150 mm
<b>PRODUCT HEIGHT</b>	1060 mm
<b>PRODUCT WIDTH</b>	715 mm
<b>PRODUCT WEIGHT</b>	20.5 kg
<b>COMPLIANCES</b>	RoHS conform
<b>CERTIFICATIONS</b>	IEC/EN 61439-1 IEC/EN 61439-3 IEC/EN 62208
<b>GLOBAL CATALOG</b>	240744
<b>PRODUCT TYPE</b>	Small distribution board



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## Product specifications

<b>USED WITH</b>	Installation distribution board BF flat distribution board Basic device
<b>SPECIAL FEATURES</b>	IP30 Protection Class I Steel sheet enclosure white (RAL 9016)
<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.
<b>10.3 DEGREE OF PROTECTION OF</b>	IP30

## Resources

<b>BROCHURES</b>	<a href="#">eaton-xcomfort-compact-distribution-boxes-brochure-br014015en-en-us.pdf</a>
<b>DECLARATIONS OF CONFORMITY</b>	<a href="#">eaton-small-distribution-board-declaration-of-conformity-uk251449en.pdf</a> <a href="#">eaton-small-distribution-board-declaration-of-conformity-eu250311en.pdf</a>
<b>DRAWINGS</b>	<a href="#">eaton-xcomfort-bf-ly-systems-dimensions-002.eps</a>
<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">eaton-xcomfort-bf-u-tm-instruction-leaflet-il170750600-z.pdf</a>

<b>ASSEMBLIES</b>	
<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.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	U <sub>i</sub> = 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>	Cable gland plate inserts (top) Enclosure DIN rail mounting frame Neutral-/protective conductor terminal Door with three-point turn-lock Front plates
<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>	White
<b>COVER/DOOR MODEL</b>	Closed
<b>COVER/DOOR TYPE</b>	Door Single
<b>RAL-NUMBER</b>	9016
<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>	Traffic white (RAL 9016) White
<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) DIN-rail Surface mounting
<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. TOP (IEC 60890)</b>	117 W
<b>INTERNAL DEPTH</b>	131 mm
<b>PE AND N TERMINAL NUMBER AND CROSS SECTION</b>	N: 2 x 25 mm <sup>2</sup> + 9 x 16 mm <sup>2</sup> PE: 2 x 25 mm <sup>2</sup> + 74 x 16 mm <sup>2</sup>
<b>NUMBER OF OPENINGS FOR SOCKET OUTLETS</b>	0

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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