

Specifications



Photo is representative



Eaton 240743

Eaton xComfort BF LV systems Final Distribution Boards. Complete surface-mounted flat distribution board, white, 33 SU per row, 5 rows, type A

General specifications

PRODUCT NAME	Eaton xComfort BF small distribution board
CATALOG NUMBER	240743
MODEL CODE	BF-O-5/165-A
EAN	4015082407438
PRODUCT LENGTH/DEPTH	920 mm
PRODUCT HEIGHT	160 mm
PRODUCT WIDTH	720 mm
PRODUCT WEIGHT	19.72 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 62208 IEC/EN 61439-3 IEC/EN 61439-1
GLOBAL CATALOG	240743
PRODUCT TYPE	Small distribution board



Powering Business Worldwide

Product specifications

USED WITH	Basic device Installation distribution board BF flat distribution board
SPECIAL FEATURES	IP30 Protection Class I Steel sheet enclosure white (RAL 9016)
TYPE	Basic device BF flat DBO Installation distribution boards
FEATURES	EMC-version Earthing terminal block Neutral terminal block
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 FUNCTION	Meets the product standard's requirements.
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	IP30

Resources

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

ASSEMBLIES	
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	Ui = 415 V AC
10.9.3 IMPULSE WITHSTAND VOLTAGE	Does not apply to basic enclosures as defined in EN 62208.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Does not apply to metal enclosures.
FITTED WITH:	Door with three-point turn-lock Enclosure Neutral-/protective conductor terminal Front plates Cable gland plate inserts (top) DIN rail mounting frame
ENCLOSURE MATERIAL	Steel
BUILT-IN HEIGHT	160 mm
BUILT-IN WIDTH	720 mm
CABLE ENTRY POSTION	Cable entries on top and bottom
TERMINAL TYPE	Screw terminals
BUILT-IN DEPTH	920 mm
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	55 W
HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	67 W
HEAT DISS. AMBIENT 35°C DELTA T:20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	70 W
CLOSURE TYPE	Other

COVER/DOOR COLOR	White
COVER/DOOR MODEL	Closed
COVER/DOOR TYPE	Door Single
RAL-NUMBER	9016
WIDTH IN NUMBER OF MODULAR SPACINGS	33
AMBIENT OPERATING TEMPERATURE DETAILS	-5 °C - 40 °C
APPLICATION	Indoor (installation site)
VOLTAGE RATING AT AC	415 V AC
COLOR	White Traffic white (RAL 9016)
NUMBER OF ROWS	5
FREQUENCY RATING OF CONTACTS	50 Hz / 60 Hz
MODULE RACK TYPE	Rail frame
DEGREE OF PROTECTION	IK07 (impact resistance) IP30
NUMBER OF MODULE SPACE UNITS PER ROW	33
PROTECTION CLASS	I (earthed)
PROTECTIVE SHROUDING MATERIAL	Metal
FUNCTIONS	Basic device Sealable
MATERIAL	Sheet steel, powder-coated
MOUNTING METHOD	Surface mounted (plaster) DIN-rail Surface mounting
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	111 W
HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	134 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	140 W
INTERNAL DEPTH	131 mm
PE AND N TERMINAL NUMBER AND CROSS SECTION	PE: 2 x 25 mm ² + 74 x 16 mm ² N: 2 x 25 mm ² + 9 x 16 mm ²
NUMBER OF OPENINGS FOR SOCKET OUTLETS	0

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

