

Specifications



Photo is representative



Eaton 240747

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

General specifications

PRODUCT NAME	Eaton xComfort BF small distribution board
CATALOG NUMBER	240747
MODEL CODE	BF-U-6/198-A
EAN	4015082407476
PRODUCT LENGTH/DEPTH	140 mm
PRODUCT HEIGHT	1080 mm
PRODUCT WIDTH	760 mm
PRODUCT WEIGHT	20.9 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 62208 IEC/EN 61439-1 IEC/EN 61439-3
GLOBAL CATALOG	240747
PRODUCT TYPE	Small distribution board



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Product specifications

USED WITH	Basic device BF flat distribution board Installation 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-uk251449en.pdf eaton-small-distribution-board-declaration-of-conformity-eu250311en.pdf
DRAWINGS	eaton-xcomfort-bf-ly-systems-dimensions-004.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:	Front plates Neutral-/protective conductor terminal DIN rail mounting frame Door with three-point turn-lock Wall trough with door frame
ENCLOSURE MATERIAL	Steel
BUILT-IN HEIGHT	1080 mm
BUILT-IN WIDTH	760 mm
CABLE ENTRY POSTION	Cable entries on top and bottom
TERMINAL TYPE	Screw terminals
BUILT-IN DEPTH	140 mm
HEAT DISS. AMBIENT 35°C DELTA T:20°C FLUSH MOUNT INDIVID. ENCL. TOP(IEC 60890)	57 W
HEAT DISS. AMBIENT 35°C DELTA T:35°C FLUSH MOUNT INDIVID. ENCL. TOP(IEC 60890)	114 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	6
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	Flush mounting Hollow wall DIN-rail Hollow-wall mounting and flush mounting Flush mounted (plaster)
INTERNAL DEPTH	127 mm
PE AND N TERMINAL NUMBER AND CROSS SECTION	N: 2 x 25 mm ² + 9 x 16 mm ² PE: 2 x 25 mm ² + 74 x 16 mm ²
NUMBER OF OPENINGS FOR SOCKET OUTLETS	0

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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