

Specifications



Eaton 240735

Eaton xComfort BF LV systems Final Distribution Boards. Complete surface-mounted flat distribution board, white, 24 SU per row, 5 rows, type A

General specifications

PRODUCT NAME	Eaton xComfort BF small distribution board
CATALOG NUMBER	240735
EAN	4015082407353
PRODUCT LENGTH/DEPTH	150 mm
PRODUCT HEIGHT	910 mm
PRODUCT WIDTH	555 mm
PRODUCT WEIGHT	14.2 kg
COMPLIANCES	RoHS conform
CERTIFICATIONS	IEC/EN 61439-3 IEC/EN 61439-1 IEC/EN 62208
MODEL CODE	BF-O-5/120-A



Powering Business Worldwide

Delivery program

TYPE	<ul style="list-style-type: none">• Basic device• BF flat DBO• Installation distribution boards
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APPLICATION	Indoor (installation site)
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COLOR	White Traffic white (RAL 9016)
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Technical Data - Mechanical

CLOSURE TYPE	Other
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WIDTH IN NUMBER OF MODULAR SPACINGS	24
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MOUNTING METHOD	Surface mounted (plaster) Surface mounting DIN-rail
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MATERIAL	Sheet steel, powder-coated
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DEGREE OF PROTECTION	IK07 (impact resistance) IP30
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NUMBER OF MODULE SPACE UNITS PER ROW	24
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NUMBER OF ROWS	5
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TERMINAL TYPE	Screw terminals
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PE AND N TERMINAL NUMBER AND CROSS SECTION	PE: 2 x 25 mm ² + 58 x 16 mm ² N: 2 x 25 mm ² + 9 x 16 mm ²
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BUILT-IN DEPTH	150 mm
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BUILT-IN HEIGHT	910 mm
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BUILT-IN WIDTH	555 mm
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INTERNAL DEPTH	131 mm
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COVER/DOOR COLOR	White
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COVER/DOOR MODEL	Closed
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COVER/DOOR TYPE	Door Single
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MODULE RACK TYPE	Rail frame
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PROTECTIVE SHROUDING MATERIAL	Metal
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Design verification as per IEC/EN 61439 - technical data

AMBIENT OPERATING TEMPERATURE DETAILS	-5 °C - 40 °C
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Technical Data - Electrical

VOLTAGE RATING AT AC	415 V AC
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FREQUENCY RATING OF CONTACTS	50 Hz / 60 Hz
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Temperature-rise verification as per IEC 60890

HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	53 W
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HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT MIDDLE ENCL. TOP (IEC 60890)	107 W
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HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	59 W
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HEAT DISS. AMBIENT 35°C DELTA T: 20°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	56 W
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HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT INDIVID. ENCL. TOP (IEC 60890)	118 W
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HEAT DISS. AMBIENT 35°C DELTA T: 35°C WALL MOUNT STARTING ENCL. TOP (IEC 60890)	112 W
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Design verification as per IEC/EN 61439

10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
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10.2.3.1 VERIFICATION OF	Meets the product
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THERMAL STABILITY OF ENCLOSURES	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	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.
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	Is the panel builder's

RATING	responsibility.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility.
10.13 MECHANICAL FUNCTION	Meets the product standard's requirements.

Additional information

FEATURES EMC-version
Earthing terminal block
Neutral terminal block

FITTED WITH: Door with three-point turn-lock
Front plates
DIN rail mounting frame
Cable gland plate inserts (top)
Enclosure
Neutral-/protective conductor terminal

FUNCTIONS Basic device
Sealable

PROTECTION CLASS I (earthed)

RAL-NUMBER 9016

SPECIAL FEATURES

- IP30
- Protection Class I
- Steel sheet enclosure white (RAL 9016)

USED WITH Installation distribution board
BF flat distribution board
Basic device

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-lv-systems-dimensions.eps](#)

INSTALLATION INSTRUCTIONS [eaton-xcomfort-bf-u-tm-instruction-leaflet-il170750600-z.pdf](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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