DATASHEET - BF-U-2/48-C

Complete flush-mounted flat distribution board, white, 24 SU per row, 2 rows, type C

Part no.   **BF-U-2/48-C**
113689

General specifications

Product name		Eaton xComfort BF small distribution board
Part no.		BF-U-2/48-C
EAN		4015081132171
Product Length/Depth		140 millimetre
Product height		480 millimetre
Product width		600 millimetre
Product weight		9.4 kilogram
Compliances		RoHS conform
Certifications		IEC/EN 61439-3 IEC/EN 62208 IEC/EN 61439-1
Product Tradename		xComfort BF
Product Type		Small distribution board
Product Sub Type		None

Delivery program

Type		Basic device BF flat DBO Installation distribution boards
Application		Indoor (installation site)
Color		Traffic white (RAL 9016) White

Technical Data - Electrical

Voltage rating at AC		415 V AC
Frequency rating of contacts		50 Hz / 60 Hz

Technical Data - Mechanical

Closure type		Other
Width in number of modular spacings		24
Mounting method		Hollow-wall mounting and flush mounting Flush mounted (plaster) Hollow wall DIN-rail Flush mounting
Material		Sheet steel, powder-coated
Degree of protection		IK07 (impact resistance) IP30
Number of module space units per row		24
Number of rows		2
Terminal type		Screw terminals
PE and N terminal number and cross section		PE: 2 x 25 mm^2 + 43 x 16 mm^2 N: 2 x 25 mm^2 + 43 x 16 mm^2
Built-in depth		127 mm
Built-in height		420 mm
Built-in width		560 mm
Internal depth		127 mm
Cover/door color		White
Cover/door model		Closed
Cover/door type		Door Single
Module rack type		Rail frame
Protective shrouding material		Metal

Temperature-rise verification as per IEC 60890

Heat diss. ambient 35°C delta T:20°C flush mount individ. encl. top(IEC 60890)		34 W

Heat diss. ambient 35°C delta T:35°C flush mount individ. encl. top(IEC 60890)		69 W

Design verification as per IEC/EN 61439 - technical data

Ambient operating temperature details		-5 °C - 40 °C

Design verification as per IEC/EN 61439

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 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		U_i = 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 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.

Additional information

Features		EMC-version Earthing terminal block Neutral terminal block
Fitted with:		Neutral-/protective conductor terminal Front plates Door with three-point turn-lock Wall trough with door frame DIN rail mounting frame
Functions		Basic device
Protection class		I (earthed)
RAL-number		9016
Special features		IP30 Protection Class I Steel sheet enclosure white (RAL 9016)
Used with		BF flat distribution board Installation distribution board Basic device

Technical data ETIM 8.0

Distribution boards (EG000023) / Small distribution board (EC000214)

Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Small distribution board (ecl@ss10.0.1-27-14-24-09 [ACN387011])

Mounting method			Flush mounted (plaster)
Number of rows			2
Width in number of modular spacings			24
Type of cover			Door
Cover model			Closed
Transparent cover/door			No
Material housing			Steel
Height		mm	480
Width		mm	600
Depth		mm	140
Built-in depth		mm	127
Built-in height		mm	420

Built-in width		mm	560
Internal depth		mm	127
Earthing terminal block			Yes
Neutral terminal block			Yes
DIN-rail			Yes
With mounting plate			No
Extension possible			No
EMC-version			Yes
Colour			White
RAL-number			9016
Degree of protection (IP)			IP30
With lock			No
Type of closure			Other
Signal passing door			No