

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

**Part no. BF-O-2/48-C  
113685**

Product name	Eaton xComfort BF small distribution board
Part no.	BF-O-2/48-C
EAN	4015081132133
Product Length/Depth	150 millimetre
Product height	460 millimetre
Product width	555 millimetre
Product weight	8.4 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 62208 IEC/EN 61439-1 IEC/EN 61439-3
Product Tradename	xComfort BF
Product Type	Small distribution board
Product Sub Type	None
Type	Basic device BF flat DBO Installation distribution boards
Application	Indoor (installation site)
Color	White Traffic white (RAL 9016)
Voltage rating at AC	415 V AC
Frequency rating of contacts	50 Hz / 60 Hz
Closure type	Other
Width in number of modular spacings	24
Mounting method	DIN-rail Surface mounted (plaster) Surface mounting
Material	Sheet steel, powder-coated
Degree of protection	IP30 IK07 (impact resistance)
Number of module space units per row	24
Number of rows	2
Terminal type	Screw terminals
PE and N terminal number and cross section	N: 2 x 25 mm <sup>2</sup> + 43 x 16 mm <sup>2</sup> PE: 2 x 25 mm <sup>2</sup> + 43 x 16 mm <sup>2</sup>
Built-in depth	150 mm
Built-in height	460 mm
Built-in width	555 mm
Internal depth	131 mm
Cover/door color	White
Cover/door model	Closed
Cover/door type	Door
Module rack type	Rail frame
Protective shrouding material	Metal
Heat diss. ambient 35°C delta T: 20°C wall mount middle encl. top (IEC 60890)	34 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)	69 W
Heat diss. ambient 35°C delta T: 20°C wall mount individ. encl. top (IEC 60890)	37 W
Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890)	36 W

Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)		75 W
Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)		72 W
Ambient operating temperature details		-5 °C - 40 °C
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 <sub>i</sub> = 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.
Features		EMC-version Earthing terminal block Neutral terminal block
Fitted with:		Cable gland plate inserts (top) Neutral-/protective conductor terminal Door with three-point turn-lock Enclosure Front plates 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		Installation distribution board BF flat 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 (ec1@ss10.0.1-27-14-24-09 [ACN387011])		
Mounting method		Surface 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	460
Width	mm	555
Depth	mm	150
Built-in depth	mm	150

Built-in height	mm	460
Built-in width	mm	555
Internal depth	mm	131
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		9,016
Degree of protection (IP)		IP30
With lock		No
Type of closure		Other
Signal passing door		No