

## Complete surface-mounted flat distribution board, white, 33 SU per row, 5 rows, type C



Part no. **BF-0-5/165-C**  
**103092**

Product name	Eaton xComfort BF small distribution board
Part no.	BF-0-5/165-C
EAN	4015081029310
Product Length/Depth	150 millimetre
Product height	910 millimetre
Product width	715 millimetre
Product weight	18.3 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 62208 IEC/EN 61439-3 IEC/EN 61439-1
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	33
Mounting method	Surface mounted (plaster) Surface mounting DIN-rail
Material	Sheet steel, powder-coated
Degree of protection	IP30 IK07 (impact resistance)
Number of module space units per row	33
Number of rows	5
Terminal type	Screw terminals
PE and N terminal number and cross section	N: 2 x 25 mm <sup>2</sup> + 58 x 16 mm <sup>2</sup> PE: 2 x 25 mm <sup>2</sup> + 58 x 16 mm <sup>2</sup>
Built-in depth	150 mm
Built-in height	910 mm
Built-in width	715 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)	67 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: 20°C wall mount individ. encl. top (IEC 60890)	55 W
Heat diss. ambient 35°C delta T: 20°C wall mount starting encl. top (IEC 60890)	70 W

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 starting encl. top (IEC 60890)	140 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	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 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:	DIN rail mounting frame Enclosure Front plates Neutral-/protective conductor terminal Door with three-point turn-lock Cable gland plate inserts (top)
Functions	Basic device
Protection class	I (earthed)
RAL-number	9016
Special features	IP30 Protection Class I Steel sheet enclosure white (RAL 9016)
Used with	Basic device BF flat distribution board Installation distribution board

## 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	Surface mounted (plaster)	
Number of rows	5	
Width in number of modular spacings	33	
Type of cover	Door	
Cover model	Closed	
Transparent cover/door	No	
Material housing	Steel	
Height	mm	910
Width	mm	715
Depth	mm	150
Built-in depth	mm	150

Built-in height	mm	910
Built-in width	mm	715
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