

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



Part no. **BF-O-2/48-E**
283040

General specifications		
Product name		Eaton xComfort BF small distribution board
Part no.		BF-O-2/48-E
EAN		4015082830403
Product Length/Depth		150 millimetre
Product height		460 millimetre
Product width		555 millimetre
Product weight		8.4 kilogram
Compliances		RoHS conform
Certifications		IEC/EN 61439-1 IEC/EN 62208 IEC/EN 61439-3
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		White Traffic white (RAL 9016)
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		Surface mounting DIN-rail Surface mounted (plaster)
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 ² + 13 x 16 mm ² PE: 2 x 25 mm ² + 13 x 16 mm ²
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 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 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
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			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.
Additional information			
Features			EMC-version Earthing terminal block Neutral terminal block
Fitted with:			DIN rail mounting frame Front plates Cable gland plate inserts (top) Neutral-/protective conductor terminal Door with Profi-Line three-point turn-lock Enclosure
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 9.0

Distribution boards (EG000023) / Small distribution board (EC000214)			
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (including small distribution board) / Small distribution board (ecI@ss13-27-14-24-09 [ACN387016])			
Mounting method			Surface mounted
Number of rows			2
Width in number of modular spacings			24
Type of covering			Door
Cover model			Closed
Type of door			Single
Transparent cover/door			No
Signal passing door			No

With lock		No
Type of closure		Other
Housing material		Steel
Built-in depth	mm	150
Built-in height	mm	460
Built-in width	mm	555
Inner depth	mm	131
Earthing terminal block		Yes
Neutral terminal block		Yes
DIN-rail		Yes
With mounting plate		No
Extension possible		No
EMC-version		Yes
UV resistant		No
Colour		White
RAL-number		9016
Degree of protection (IP)		IP30
Height	mm	460
Width	mm	555
Depth	mm	150