

**Complete flush-mounted flat distribution board, white, 24 SU per row, 5 rows, type E**



**Part no.**                      **BF-U-5/120-E**  
**283055**

<b>General specifications</b>		
Product name		Eaton xComfort BF small distribution board
Part no.		BF-U-5/120-E
EAN		4015082830557
Product Length/Depth		140 millimetre
Product height		930 millimetre
Product width		600 millimetre
Product weight		14.46 kilogram
Compliances		RoHS conform
Certifications		IEC/EN 61439-3 IEC/EN 61439-1 IEC/EN 62208
Product Tradename		xComfort BF
Product Type		Small distribution board
Product Sub Type		None
<b>Delivery program</b>		
Type		Basic device BF flat DBO Installation distribution boards
Application		Indoor (installation site)
Color		White Traffic white (RAL 9016)
<b>Technical Data - Electrical</b>		
Voltage rating at AC		415 V AC
Frequency rating of contacts		50 Hz / 60 Hz
<b>Technical Data - Mechanical</b>		
Closure type		Other
Width in number of modular spacings		24
Mounting method		Flush mounted (plaster) DIN-rail Flush mounting Hollow-wall mounting and flush mounting Hollow wall
Material		Sheet steel, powder-coated
Degree of protection		IK07 (impact resistance) IP30
Number of module space units per row		24
Number of rows		5
Terminal type		Screw terminals
PE and N terminal number and cross section		N: 2 x 25 mm <sup>2</sup> + 27 x 16 mm <sup>2</sup> PE: 2 x 25 mm <sup>2</sup> + 27 x 16 mm <sup>2</sup>
Built-in depth		140 mm
Built-in height		930 mm
Built-in width		600 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
<b>Temperature-rise verification as per IEC 60890</b>		
Heat diss. ambient 35°C delta T:20°C flush mount individ. encl. top(IEC 60890)		55 W

Heat diss. ambient 35°C delta T:35°C flush mount individ. encl. top(IEC 60890)			110 W
<b>Design verification as per IEC/EN 61439 - technical data</b>			
Ambient operating temperature details			-5 °C - 40 °C
<b>Design verification as per IEC/EN 61439</b>			
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.
<b>Additional information</b>			
Features			EMC-version Earthing terminal block Neutral terminal block
Fitted with:			Wall trough with door frame Front plates Neutral-/protective conductor terminal Door with Profi-Line three-point turn-lock 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 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 (ec@ss13-27-14-24-09 [ACN387016])			
Mounting method			Flush-mounted
Number of rows			5
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	140

Built-in height		mm	930
Built-in width		mm	600
Inner depth		mm	127
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	930
Width		mm	600
Depth		mm	140