

**Complete flush-mounted flat distribution board, white, 24 SU per row, 6 rows, type E**

**Part no. BF-U-6/144-E  
285221**

<b>General specifications</b>		
Product name		Eaton xComfort BF small distribution board
Part no.		BF-U-6/144-E
EAN		4015082852214
Product Length/Depth		140 millimetre
Product height		1080 millimetre
Product width		600 millimetre
Product weight		16.54 kilogram
Compliances		RoHS conform
Certifications		IEC/EN 61439-1 IEC/EN 61439-3 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		Traffic white (RAL 9016) White
<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		Hollow-wall mounting and flush mounting Flush mounted (plaster) Hollow wall Flush mounting DIN-rail
Material		Sheet steel, powder-coated
Degree of protection		IK07 (impact resistance) IP30
Number of module space units per row		24
Number of rows		6
Terminal type		Screw terminals
PE and N terminal number and cross section		PE: 2 x 25 mm <sup>2</sup> + 27 x 16 mm <sup>2</sup> N: 2 x 25 mm <sup>2</sup> + 27 x 16 mm <sup>2</sup>
Built-in depth		127 mm
Built-in height		1020 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
<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)		62 W

Heat diss. ambient 35°C delta T:35°C flush mount individ. encl. top(IEC 60890)		124 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		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.
<b>Additional information</b>		
Features		EMC-version Earthing terminal block Neutral terminal block
Fitted with:		Wall trough with door frame Neutral-/protective conductor terminal Door with Profi-Line three-point turn-lock 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 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		6
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	127

Built-in height	mm	1020
Built-in width	mm	560
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	1080
Width	mm	600
Depth	mm	140