DATASHEET - BF-O-3/72-E

Complete surface-mounted flat distribution board, white, 24 SU per row, 3 rows, type E

EATON
Powering Business Worldwide™

| **Part no.** | **BF-O-3/72-E** |
| | **283041** |

General specifications

Product name		Eaton xComfort BF small distribution board
Part no.		BF-O-3/72-E
EAN		4015082830410
Product Length/Depth		150 millimetre
Product height		610 millimetre
Product width		555 millimetre
Product weight		10.3 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

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		DIN-rail
		Surface mounted (plaster)
		Surface mounting
Material		Sheet steel, powder-coated
Degree of protection		IK07 (impact resistance)
		IP30
Number of module space units per row		24
Number of rows		3
Terminal type		Screw terminals
PE and N terminal number and cross section		N: 2 x 25 mm² + 13 x 16 mm²
		PE: 2 x 25 mm² + 13 x 16 mm²
Built-in depth		150 mm
Built-in height		610 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)		41 W
Heat diss. ambient 35°C delta T: 35°C wall mount middle encl. top (IEC 60890)		81 W

Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890)		44 W
Heat diss. ambient 35°C delta T:20°C wall mount starting encl. top (IEC 60890)		42 W
Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890)		89 W
Heat diss. ambient 35°C delta T:35°C wall mount starting encl. top (IEC 60890)		85 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:		Enclosure Cable gland plate inserts (top) DIN rail mounting frame Front plates Neutral-/protective conductor terminal Door with Profi-Line three-point turn-lock
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 (ecl@ss13-27-14-24-09 [ACN387016])

Mounting method		Surface mounted
Number of rows		3
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	610
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	610
Width		mm	555
Depth		mm	150