

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



Powering Business Worldwide™

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 | | U _i = 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

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| 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 | | 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 |