

Part no. **BC-0-1/12-ECO**
280347

| General specifications | | |
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| Product name | | Eaton xComfort ECO LV systems Final Distribution Boards |
| Part no. | | BC-0-1/12-ECO |
| EAN | | 4015082803476 |
| Product Length/Depth | | 98 millimetre |
| Product height | | 212 millimetre |
| Product width | | 303 millimetre |
| Product weight | | 0.91 kilogram |
| Compliances | | RoHS conform |
| Certifications | | EN 62208 |
| Product Tradename | | xComfort ECO |
| Product Type | | LV systems |
| Product Sub Type | | Final Distribution Boards |
| Delivery program | | |
| Type | | Basic device ECO distribution board Installation distribution board |
| Application | | Indoor (installation site) |
| Color | | Signal white (RAL 9003) White |
| Technical Data - Electrical | | |
| Frequency rating of contacts | | 50 Hz |
| Technical Data - Mechanical | | |
| Closure type | | Other |
| Enclosure material | | Plastic |
| Width in number of modular spacings | | 12 |
| Mounting method | | DIN-rail Surface mounting Surface mounted (plaster) |
| Material | | ABS (plastic) |
| Degree of protection | | IP40 IK05 (impact resistance) |
| Number of module space units per row | | 12 |
| Number of rows | | 1 |
| Terminal type | | Screw terminals |
| PE and N terminal number and cross section | | PE: 12 x 10 mm ² N: 12 x 10mm ² |
| Built-in depth | | 70 mm |
| Built-in height | | 0 mm |
| Built-in width | | 0 mm |
| Internal depth | | 90 mm |
| Cover/door color | | Transparent |
| Cover/door model | | Closed |
| Cover/door type | | Door Single |
| Module rack type | | Single-rail |
| Protective shrouding material | | Plastic |
| Temperature-rise verification as per IEC 60890 | | |
| Heat diss. ambient 35°C delta T:20°C wall mount individ. encl. top (IEC 60890) | | 13 W |
| Heat diss. ambient 35°C delta T:35°C wall mount individ. encl. top (IEC 60890) | | 26 W |
| Design verification as per IEC/EN 61439 - technical data | | |
| Ambient operating temperature details | | -20 °C - 70 °C |

| Design verification as per IEC/EN 61439 | | |
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| 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 | | 850 °C; 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 | | IK05 |
| 10.2.7 Inscriptions | | Meets the product standard's requirements. |
| 10.3 Degree of protection of assemblies | | IP40 |
| 10.4 Clearances and creepage distances | | Is the panel builder's responsibility. |
| 10.5 Protection against electric shock | | Protection class 2, therefore not applicable. |
| 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 = 400 V AC |
| 10.9.3 Impulse withstand voltage | | 3.75 kV |
| 10.9.4 Testing of enclosures made of insulating material | | Meets the product standard's requirements. |
| 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 | | |
| Fitted with: | | Basic device Neutral-/protective conductor terminal Device support rails |
| Functions | | Basic device |
| Protection class | | II (totally insulated) |
| RAL-number | | 9003 |
| Special features | | IP40 Protection Class II Plastic housing white (RAL 9003) |
| Used with | | Basic device ECO 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 | | 1 |
| Width in number of modular spacings | | 12 |
| Type of covering | | Door |
| Cover model | | Closed |
| Type of door | | Single |
| Transparent cover/door | | Yes |
| Signal passing door | | No |
| With lock | | No |
| Type of closure | | Other |
| Housing material | | Plastic |
| Built-in depth | mm | 70 |
| Built-in height | mm | 0 |
| Built-in width | mm | 0 |
| Inner depth | mm | 90 |
| Earthing terminal block | | No |
| Neutral terminal block | | No |
| DIN-rail | | Yes |

| | | | |
|---------------------------|--|----|-------|
| With mounting plate | | | No |
| Extension possible | | | No |
| EMC-version | | | No |
| UV resistant | | | No |
| Colour | | | White |
| RAL-number | | | 9003 |
| Degree of protection (IP) | | | IP40 |
| Height | | mm | 212 |
| Width | | mm | 303 |
| Depth | | mm | 98 |