



## Eaton 186172

Eaton Moeller® series C22 Changeover switch, With thumb-grip, maintained, 1 NC, 1 N/O, Cable (black) with non-terminated end, 4 pole, 1 m, 3 positions, Bezel: titanium



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| <b>PRODUCT NAME</b>         | Eaton Moeller® series C22 Changeover switch   |
| <b>CATALOG NUMBER</b>       | 186172  |
| <b>PRODUCT LENGTH/DEPTH</b> | 1076 mm   |
| <b>PRODUCT HEIGHT</b>       | 30 mm   |
| <b>PRODUCT WIDTH</b>        | 30 mm   |
| <b>PRODUCT WEIGHT</b>       | 0.048 kg  |
| <b>CERTIFICATIONS</b>       | CSA<br>UL<br>CE<br>VDE 0660<br>IEC/EN 60947-5-1<br>CSA File No.: 165628<br>CSA Class No.: 321103<br>UL File No.: E29184<br>UL 508<br>CSA-C22.2 No. 14-18 and No. 94.2-15<br>CE marking<br>UL Category Control No.: NKCR<br>UL listed, CSA certified |
| <b>CATALOG NOTES</b>        | Contacts with safety function, by positive opening to IEC/EN 60947-5-1  |



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| <b>TYPE</b>   | Selector switch actuator   |
| <b>ACTUATOR COLOR</b>   | Black  |
| <b>PRODUCT CATEGORY</b>                                       | RMQ compact solution   |
| <b>FEATURES</b>   | Positive opening   |
| <b>ACTUATOR FUNCTION</b>                                      | Maintained<br>Switching function latching                                      |
| <b>ELECTRIC CONNECTION TYPE</b>                               | Other  |
| <b>FITTED WITH:</b>   | Front ring   |
| <b>OPERATING FREQUENCY</b>                                    | 2000 Operations/h  |
| <b>POLLUTION DEGREE</b>                                       | 3  |
| <b>CLIMATIC PROOFING</b>                                      | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78 |
| <b>CONNECTION TO SMARTWIRE-DT</b>                             | No   |
| <b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>                 | 800 V AC   |
| <b>ACTUATOR TYPE</b>  | Toggle   |
| <b>ACTUATOR DIAMETER</b>                                      | 4.7 mm   |
| <b>ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)</b> | 4.65 mm  |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                    | 70 °C  |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                    | -30 °C   |
| <b>FORCE FOR POSITIVE OPENING - MIN</b>                       | 20 N   |
| <b>KNOB TRAVEL</b>  | 5.7 mm   |
| <b>NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)</b>              | 0  |
| <b>NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)</b>          | 1  |
| <b>NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)</b>            | 1  |
| <b>OPENING DIAMETER</b>                                       | 22.5 mm  |
| <b>OPERATING TORQUE</b>                                       | 0.3 Nm   |
| <b>RATED INSULATION VOLTAGE (UI)</b>                          | 250 V  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-15,</b>               | 4 A  |

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| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">eaton-pushbutton-declaration-of-conformity-uk250928en.pdf</a>     |
| □□□□□                             | <a href="#">IL047016ZU</a>  |
| □□□                               | <a href="#">eaton-operating-wiring-diagram-005.eps</a>                        |
| □□□□□                             | <a href="#">eaton-operating-circuit-pushbutton-contact-travel-diagram.eps</a> |
| □□                                | <a href="#">eaton-operating-c22-changeover-switch-dimensions.eps</a>          |
| □□                                | <a href="#">eaton-operating-c22-changeover-switch-3d-drawing.eps</a>          |

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| <b>24 V</b>  |   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V</b> | 3 A   |
| <b>BEZEL COLOR</b>                                   | Titanium  |
| <b>CABLE MATERIAL</b>                                | PUR   |
| <b>BEZEL MATERIAL</b>                                | Plastic   |
| <b>DESIGN</b>  | Cable end open<br>With thumb-grip<br>Classical  |
| <b>MOUNTING POSITION</b>                             | As required   |
| <b>RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)</b>  | 1 kA  |
| <b>CABLE LENGTH</b>                                  | 1 m   |
| <b>CONNECTION TYPE</b>                               | Cable (black) with non-terminated end, 4 pole   |
| <b>OVERVOLTAGE CATEGORY</b>                          | III   |
| <b>CONTROL CIRCUIT RELIABILITY</b>                   | 1 failure per 900,000 switching operations statistically determined, at 17 V DC/7 mA: N/C contact<br>1 failure per 17,000,000 swtching operations (statistically determined, at 17 V DC/7 mA: N/O contact |
| <b>DEGREE OF PROTECTION</b>                          | IP65, rear<br>IP66<br>NEMA Other  |
| <b>SHOCK RESISTANCE</b>                              | 30 g, Mechanical, Shock duration 11 ms  |
| <b>NUMBER OF SWITCH POSITIONS</b>                    | 3   |
| <b>TIGHTENING TORQUE</b>                             | 2 Nm, Threaded ring   |
| <b>SHORT-CIRCUIT PROTECTION RATING</b>               | Max. 4 A gG/gL, Fuse, Contacts  |
| <b>SWITCHING ANGLE</b>                               | 60 °  |

