

## Eaton 207068

Eaton Moeller® series T0 ON-OFF switches, T0, 20 A, surface mounting, 1 contact unit(s), Contacts: 2, 45 °, maintained, With 0 (Off) position, 0-1, Design number 15402

|                             |                                                                 |
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| <b>PRODUCT NAME</b>         | Eaton Moeller® series T0 On-off switch                          |
| <b>CATALOG NUMBER</b>       | 207068                                                          |
| <b>PRODUCT LENGTH/DEPTH</b> | 137 mm                                                          |
| <b>PRODUCT HEIGHT</b>       | 102 mm                                                          |
| <b>PRODUCT WIDTH</b>        | 80 mm                                                           |
| <b>PRODUCT WEIGHT</b>       | 0.253 kg                                                        |
| <b>CERTIFICATIONS</b>       | VDE 0660<br>IEC/EN 60204<br>IEC/EN 60947<br>IEC/EN 60947-3      |
| <b>CATALOG NOTES</b>        | Rated Short-time Withstand Current (Icw) for a time of 1 second |

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| <b>TYPE</b>                                                                             | ON-OFF switch                                                                                                                    |
| <b>FEATURES</b>                                                                         | Complete device in housing                                                                                                       |
| <b>ACTUATOR FUNCTION</b>                                                                | With 0 (Off) position Maintained                                                                                                 |
| <b>10.10 TEMPERATURE RISE</b>                                                           | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| <b>10.11 SHORT-CIRCUIT RATING</b>                                                       | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                                              | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.13 MECHANICAL FUNCTION</b>                                                        | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |
| <b>10.2.2 CORROSION RESISTANCE</b>                                                      | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                                                                                       |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Meets the product standard's requirements.                                                                                       |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | UV resistance only in connection with protective shield.                                                                         |
| <b>10.2.5 LIFTING</b>                                                                   | Does not apply, since the entire switchgear needs to be evaluated.                                                               |
| <b>10.2.6 MECHANICAL IMPACT</b>                                                         | Does not apply, since the entire switchgear needs to be evaluated.                                                               |

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| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">eaton-step-switch-declaration-of-conformity-uk251327en.pdf</a>                  |
|                                   | <a href="#">IL03801007Z2021_06.pdf</a>                                                      |
|                                   | <a href="#">eaton-rotary-switches-on-off-switch-t0-on-off-switch-wiring-diagram-002.eps</a> |
|                                   | <a href="#">eaton-rotary-switches-t0-changeover-switch-dimensions.eps</a>                   |
|                                   | <a href="#">eaton-rotary-switches-front-plate-t0-on-off-switch-symbol-004.eps</a>           |

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| <b>10.2.7 INSCRIPTIONS</b>                                      | Meets the product standard's requirements.                                     |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                  | Does not apply, since the entire switchgear needs to be evaluated.             |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                   | Meets the product standard's requirements.                                     |
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>                   | Does not apply, since the entire switchgear needs to be evaluated.             |
| <b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>   | Does not apply, since the entire switchgear needs to be evaluated.             |
| <b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>        | Is the panel builder's responsibility.                                         |
| <b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>                 | Is the panel builder's responsibility.                                         |
| <b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>                 | Is the panel builder's responsibility.                                         |
| <b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>                         | Is the panel builder's responsibility.                                         |
| <b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b> | Is the panel builder's responsibility.                                         |
| <b>FITTED WITH:</b>                                             | 0 (off) position<br>Black thumb grip and front plate                           |
| <b>OPERATING FREQUENCY</b>                                      | 1200 Operations/h                                                              |
| <b>POLLUTION DEGREE</b>                                         | 3                                                                              |
| <b>CLIMATIC PROOFING</b>                                        | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |
| <b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>                   | 6000 V AC                                                                      |
| <b>RATED UNINTERRUPTED CURRENT (IU)</b>                         | 20 A                                                                           |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>       | 0 W                                                                            |
| <b>SWITCHING ANGLE</b>                                          | 45 °                                                                           |
| <b>VOLTAGE PER CONTACT PAIR IN SERIES</b>                       | 60 V                                                                           |
| <b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>                      | 0                                                                              |

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| <b>PRODUCT CATEGORY</b>                                   | Control switches                                                                        |
| <b>NUMBER OF POLES</b>                                    | Two-pole                                                                                |
| <b>RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ</b>      | 5.5 kW                                                                                  |
| <b>DEVICE CONSTRUCTION</b>                                | Surface mounted device                                                                  |
| <b>SWITCH TYPE</b>                                        | On/Off switch                                                                           |
| <b>RATED SHORT-TIME WITHSTAND CURRENT (ICW)</b>           | 320 A, Contacts, 1 second                                                               |
| <b>ACTUATOR TYPE</b>                                      | Toggle                                                                                  |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                | 40 °C                                                                                   |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                | -25 °C                                                                                  |
| <b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX</b>     | 40 °C                                                                                   |
| <b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN</b>     | -25 °C                                                                                  |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b> | 0 W                                                                                     |
| <b>MOUNTING POSITION</b>                                  | As required                                                                             |
| <b>MOUNTING METHOD</b>                                    | Surface mounting                                                                        |
| <b>RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)</b>       | 6 kA                                                                                    |
| <b>DEGREE OF PROTECTION</b>                               | IP65                                                                                    |
| <b>OVERVOLTAGE CATEGORY</b>                               | III                                                                                     |
| <b>CONTROL CIRCUIT RELIABILITY</b>                        | 1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA) |
| <b>DEGREE OF PROTECTION (FRONT SIDE)</b>                  | IP65<br>NEMA 12                                                                         |
| <b>NUMBER OF CONTACTS</b>                                 | 2                                                                                       |
| <b>SUITABLE FOR</b>                                       | Ground mounting<br>Front mounting                                                       |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                    | 0 W                                                                                     |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>  | 0.6 W                                                                                   |
| <b>NUMBER OF CONTACT</b>                                  | 1                                                                                       |

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| <b>UNITS</b>                                                                 |                                                                                                                                                                                                                                                                 |
| <b>NUMBER OF CONTACTS<br/>IN SERIES AT DC-21A, 240<br/>V</b>                 | 1                                                                                                                                                                                                                                                               |
| <b>NUMBER OF CONTACTS<br/>IN SERIES AT DC-23A, 120<br/>V</b>                 | 3                                                                                                                                                                                                                                                               |
| <b>NUMBER OF CONTACTS<br/>IN SERIES AT DC-23A, 24 V</b>                      | 1                                                                                                                                                                                                                                                               |
| <b>NUMBER OF CONTACTS<br/>IN SERIES AT DC-23A, 240<br/>V</b>                 | 5                                                                                                                                                                                                                                                               |
| <b>FRONT SHIELD SIZE</b>                                                     | 48x48 mm                                                                                                                                                                                                                                                        |
| <b>SAFE ISOLATION</b>                                                        | 440 V AC, Between the<br>contacts, According to EN<br>61140                                                                                                                                                                                                     |
| <b>SCREW SIZE</b>                                                            | M3.5, Terminal screw                                                                                                                                                                                                                                            |
| <b>INSCRIPTION</b>                                                           | 0-1                                                                                                                                                                                                                                                             |
| <b>SHOCK RESISTANCE</b>                                                      | 15 g, Mechanical,<br>According to IEC/EN<br>60068-2-27, Half-<br>sinusoidal shock 20 ms                                                                                                                                                                         |
| <b>LIFESPAN, MECHANICAL</b>                                                  | 400,000 Operations                                                                                                                                                                                                                                              |
| <b>NUMBER OF SWITCH<br/>POSITIONS</b>                                        | 2                                                                                                                                                                                                                                                               |
| <b>LOAD RATING</b>                                                           | 2 x I <sub>e</sub> (with intermittent<br>operation class 12, 25 %<br>duty factor)<br>1.6 x I <sub>e</sub> (with intermittent<br>operation class 12, 40 %<br>duty factor)<br>1.3 x I <sub>e</sub> (with intermittent<br>operation class 12, 60 %<br>duty factor) |
| <b>NUMBER OF CONTACTS<br/>IN SERIES AT DC-23A, 48 V</b>                      | 2                                                                                                                                                                                                                                                               |
| <b>NUMBER OF CONTACTS<br/>IN SERIES AT DC-23A, 60 V</b>                      | 3                                                                                                                                                                                                                                                               |
| <b>RATED BREAKING<br/>CAPACITY AT 220/230 V<br/>(COS PHI TO IEC 60947-3)</b> | 100 A                                                                                                                                                                                                                                                           |
| <b>RATED BREAKING<br/>CAPACITY AT 400/415 V<br/>(COS PHI TO IEC 60947-3)</b> | 110 A                                                                                                                                                                                                                                                           |
| <b>RATED BREAKING<br/>CAPACITY AT 500 V (COS<br/>PHI TO IEC 60947-3)</b>     | 80 A                                                                                                                                                                                                                                                            |
| <b>RATED BREAKING<br/>CAPACITY AT 660/690 V</b>                              | 60 A                                                                                                                                                                                                                                                            |

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| <b>(COS PHI TO IEC 60947-3)</b>                                               |                                              |
| <b>RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947-3)</b>          | 130 A                                        |
| <b>RATED OPERATING VOLTAGE (UE) AT AC - MAX</b>                               | 690 V                                        |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-21, 440 V</b>                         | 20 A                                         |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 230 V</b>                        | 13.3 A                                       |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 400 V, 415 V</b>                 | 13.3 A                                       |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 500 V</b>                        | 13.3 A                                       |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 690 V</b>                        | 7.6 A                                        |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V</b>            | 11.5 A                                       |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b>            | 11.5 A                                       |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>                          | 9 A                                          |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V</b>                   | 4.9 A                                        |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, LOAD-BREAK SWITCHES L/R = 1 MS</b> | 10 A                                         |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-13, CONTROL SWITCHES L/R = 50 MS</b>  | 10 A                                         |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-21, 240 V</b>                         | 1 A                                          |
| <b>SAFETY PARAMETER (EN ISO 13849-1)</b>                                      | B10d values as per EN ISO 13849-1, table C.1 |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-23A,</b>                              | 5 A                                          |

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| <b>120 V</b>                                                                 |        |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) AT DC-23A,<br/>24 V</b>                | 10 A   |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) AT DC-23A,<br/>240 V</b>               | 5 A    |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) AT DC-23A,<br/>48 V</b>                | 10 A   |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) AT DC-23A,<br/>60 V</b>                | 10 A   |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) STAR-<br/>DELTA AT AC-3, 230 V</b>     | 20 A   |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) STAR-<br/>DELTA AT AC-3, 400 V</b>     | 20 A   |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) STAR-<br/>DELTA AT AC-3, 500 V</b>     | 15.6 A |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) STAR-<br/>DELTA AT AC-3, 690 V</b>     | 8.5 A  |
| <b>RATED OPERATIONAL<br/>CURRENT FOR SPECIFIED<br/>HEAT DISSIPATION (IN)</b> | 20 A   |
| <b>RATED OPERATIONAL<br/>POWER AT AC-23A,<br/>220/230 V, 50 HZ</b>           | 3 kW   |
| <b>RATED OPERATIONAL<br/>POWER AT AC-23A, 400 V,<br/>50 HZ</b>               | 5.5 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-23A, 500 V,<br/>50 HZ</b>               | 7.5 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-23A, 690 V,<br/>50 HZ</b>               | 5.5 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 415 V, 50<br/>HZ</b>                 | 5.5 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 690 V, 50<br/>HZ</b>                 | 4 kW   |
| <b>RATED OPERATIONAL<br/>POWER STAR-DELTA AT<br/>220/230 V, 50 HZ</b>        | 5.5 kW |
| <b>RATED OPERATIONAL</b>                                                     | 7.5 kW |

|                                                                   |                                                                                                                            |
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| <b>POWER STAR-DELTA AT<br/>380/400 V, 50 HZ</b>                   |                                                                                                                            |
| <b>RATED OPERATIONAL<br/>POWER STAR-DELTA AT<br/>500 V, 50 HZ</b> | 7.5 kW                                                                                                                     |
| <b>RATED OPERATIONAL<br/>POWER STAR-DELTA AT<br/>690 V, 50 HZ</b> | 5.5 kW                                                                                                                     |
| <b>TERMINAL CAPACITY<br/>(FLEXIBLE WITH<br/>FERRULE)</b>          | 2 x (0.75 - 2.5) mm <sup>2</sup> ,<br>ferrules to DIN 46228<br>1 x (0.75 - 2.5) mm <sup>2</sup> ,<br>ferrules to DIN 46228 |
| <b>SHORT-CIRCUIT<br/>PROTECTION RATING</b>                        | 20 A gG/gL, Fuse, Contacts                                                                                                 |
| <b>TERMINAL CAPACITY<br/>(SOLID/STRANDED)</b>                     | 2 x (1 - 2.5) mm <sup>2</sup><br>1 x (1 - 2.5) mm <sup>2</sup>                                                             |
| <b>TIGHTENING TORQUE</b>                                          | 8.8 lb-in, Screw terminals<br>1 Nm, Screw terminals                                                                        |
| <b>UNINTERRUPTED<br/>CURRENT</b>                                  | Rated uninterrupted<br>current I <sub>u</sub> is specified for<br>max. cross-section.                                      |
| <b>DESIGN</b>                                                     | 15402                                                                                                                      |

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

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