



## Eaton 197453

Eaton Moeller series T3 Main switch, 32 A,  
Surface mounting, Design: 8212

□□□□

|                                 |                                                            |
|---------------------------------|------------------------------------------------------------|
| <b>PRODUCT NAME</b>             | Eaton Moeller® series T3<br>Main switch                    |
| <b>CATALOG NUMBER</b>           | 197453                                                     |
| <b>PRODUCT<br/>LENGTH/DEPTH</b> | 250 mm                                                     |
| <b>PRODUCT HEIGHT</b>           | 147 mm                                                     |
| <b>PRODUCT WIDTH</b>            | 200 mm                                                     |
| <b>PRODUCT WEIGHT</b>           | 2.475 kg                                                   |
| <b>CERTIFICATIONS</b>           | IEC/EN 60947-3<br>IEC/EN 60947<br>VDE 0660<br>IEC/EN 60204 |

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>TYPE</b>                                                                             | Main switch                                                                                                                      |
| <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.                                                               |
| <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.                                                                                       |

|                            |                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-changeover-switch-declaration-of-conformity-uk251329en.pdf</a>                                                                                     |
| □□□□□                      | <a href="#">IL008055ZU</a>                                                                                                                                           |
| □□□                        | <a href="#">eaton-rotary-switches-changeover-switch-t0-changeover-switch-wiring-diagram-003.eps</a>                                                                  |
| □□                         | <a href="#">eaton-rotary-switches-t0-main-switch-dimensions-004.eps</a><br><br><a href="#">eaton-rotary-switches-front-plate-t0-changeover-switch-symbol-009.eps</a> |

|                                                                 |                                                                                         |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <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>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>RATED UNINTERRUPTED CURRENT (IU)</b>                         | 32 A                                                                                    |
| <b>WIDTH IN NUMBER OF MODULAR SPACINGS</b>                      | 0                                                                                       |
| <b>NUMBER OF POLES</b>                                          | Three-pole                                                                              |
| <b>DEVICE CONSTRUCTION</b>                                      | Surface mounted device                                                                  |
| <b>SWITCH TYPE</b>                                              | On/Off switch                                                                           |
| <b>ACTUATOR TYPE</b>                                            | Toggle                                                                                  |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                      | 50 °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>MOUNTING POSITION</b>                                        | As required                                                                             |
| <b>MOUNTING METHOD</b>                                          | Surface mounting                                                                        |
| <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) |

|                                                |                            |
|------------------------------------------------|----------------------------|
| DEGREE OF PROTECTION<br>(FRONT SIDE)           | IP65<br>NEMA 12            |
| SUITABLE FOR                                   | Front mounting             |
| FRONT SHIELD SIZE                              | 48x48 mm                   |
| NUMBER OF SWITCH<br>POSITIONS                  | 3                          |
| RATED OPERATING<br>VOLTAGE (UE) AT AC -<br>MAX | 690 V                      |
| SHORT-CIRCUIT<br>PROTECTION RATING             | 35 A gG/gL, Fuse, Contacts |

|  |
|--|
|  |
|  |
|  |
|  |