



## Eaton 207200

Eaton Moeller® series T3 Main switch, T3, 32 A, surface mounting, 1 contact unit(s), 1 pole, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position

### □□□□

|                             |                                                                                                                                                                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series T3 Main switch                                                                                                                                                                                                                      |
| <b>CATALOG NUMBER</b>       | 207200                                                                                                                                                                                                                                                    |
| <b>PRODUCT LENGTH/DEPTH</b> | 185 mm                                                                                                                                                                                                                                                    |
| <b>PRODUCT HEIGHT</b>       | 124 mm                                                                                                                                                                                                                                                    |
| <b>PRODUCT WIDTH</b>        | 108 mm                                                                                                                                                                                                                                                    |
| <b>PRODUCT WEIGHT</b>       | 0.485 kg                                                                                                                                                                                                                                                  |
| <b>CERTIFICATIONS</b>       | UL File No.: E36332<br>IEC/EN 60947-3<br>CSA<br>CE<br>CSA Class No.: 3211-05<br>CSA File No.: 012528<br>UL<br>UL 60947-4-1<br>CSA-C22.2 No. 94<br>CSA-C22.2 No. 60947-4-1-14<br>IEC/EN 60947<br>VDE 0660<br>UL Category Control No.: NLRV<br>IEC/EN 60204 |
| <b>CATALOG NOTES</b>        | Rated Short-time Withstand Current (Icw) for a time of 1 second                                                                                                                                                                                           |

|                                                                                         |                                                                                                                                  |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT CATEGORY</b>                                                                 | Main switch                                                                                                                      |
| <b>FEATURES</b>                                                                         | Version as maintenance-<br>/service switch<br>Version as main switch<br>Version as emergency stop<br>installation                |
| <b>ACTUATOR COLOR</b>                                                                   | Red                                                                                                                              |
| <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                                                                                                                |

|                            |                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------|
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-main-switch-declaration-of-conformity-uk251330en.pdf</a>              |
| □□□□□                      | <a href="#">IL03801008Z2021_06.pdf</a>                                                  |
| □□□                        | <a href="#">eaton-rotary-switches-on-off-switch-t0-on-off-switch-wiring-diagram.eps</a> |

|                                                                 |                                                                                |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------|
|                                                                 | 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>                                             | Red rotary handle and yellow locking ring                                      |
| <b>OPERATING FREQUENCY</b>                                      | 1200 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>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>                   | 6000 V AC                                                                      |
| <b>RATED OPERATIONAL POWER STAR-DELTA AT 500 V, 50 HZ</b>       | 18.5 kW                                                                        |
| <b>RATED OPERATIONAL POWER STAR-DELTA AT 690 V, 50 HZ</b>       | 22 kW                                                                          |
| <b>RATED PERMANENT CURRENT AT AC-21, 400 V</b>                  | 32 A                                                                           |
| <b>RATED PERMANENT CURRENT AT AC-23, 400 V</b>                  | 32 A                                                                           |
| <b>RATED UNINTERRUPTED CURRENT (IU)</b>                         | 32 A                                                                           |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT</b>           | 0 W                                                                            |

|                                                                |                                            |
|----------------------------------------------------------------|--------------------------------------------|
| <b>PVS</b>                                                     |                                            |
| <b>SWITCHING ANGLE</b>                                         | 90 °                                       |
| <b>SWITCHING POWER AT 400 V</b>                                | 15 kW                                      |
| <b>VOLTAGE PER CONTACT PAIR IN SERIES</b>                      | 60 V                                       |
| <b>RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ</b>           | 15 kW                                      |
| <b>DEVICE CONSTRUCTION</b>                                     | Complete device in housing                 |
| <b>RATED SHORT-TIME WITHSTAND CURRENT (ICW)</b>                | 650 A, Contacts, 1 second<br>0.65 kA       |
| <b>ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT</b>              | Screw connection                           |
| <b>DESIGN</b>                                                  | 8200                                       |
| <b>MOUNTING POSITION</b>                                       | As required                                |
| <b>ACTUATOR TYPE</b>                                           | Door coupling rotary drive                 |
| <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>      | 1.1 W                                      |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                         | 0 W                                        |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>       | 1.1 W                                      |
| <b>NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)</b>     | 0                                          |
| <b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b> | 0                                          |
| <b>RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)</b>            | 1 kA                                       |
| <b>OVERVOLTAGE CATEGORY</b>                                    | III                                        |
| <b>CONTROL CIRCUIT RELIABILITY</b>                             | 1 failure per 100,000 switching operations |

|                                                                      |                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                      | statistically determined, at<br>24 V DC, 10 mA)                                                                                                                                                                                                                 |
| <b>DEGREE OF PROTECTION<br/>(FRONT SIDE)</b>                         | IP65                                                                                                                                                                                                                                                            |
| <b>NUMBER OF POLES</b>                                               | 1                                                                                                                                                                                                                                                               |
| <b>MOUNTING METHOD</b>                                               | Surface mounting                                                                                                                                                                                                                                                |
| <b>DEGREE OF PROTECTION</b>                                          | NEMA 12                                                                                                                                                                                                                                                         |
| <b>SUITABLE FOR</b>                                                  | Ground mounting<br>Branch circuits, suitable as<br>motor disconnect,<br>(UL/CSA)                                                                                                                                                                                |
| <b>LOCKING FACILITY</b>                                              | Lockable in the 0 (Off)<br>position                                                                                                                                                                                                                             |
| <b>FUNCTIONS</b>                                                     | Emergency switching off<br>function<br>Interlockable                                                                                                                                                                                                            |
| <b>NUMBER OF SWITCHES</b>                                            | 1                                                                                                                                                                                                                                                               |
| <b>SAFE ISOLATION</b>                                                | 440 V AC, Between the<br>contacts, According to EN<br>61140                                                                                                                                                                                                     |
| <b>SCREW SIZE</b>                                                    | M4, Terminal screw                                                                                                                                                                                                                                              |
| <b>SHOCK RESISTANCE</b>                                              | 12 g, Mechanical,<br>According to IEC/EN<br>60068-2-27, Half-<br>sinusoidal shock 20 ms                                                                                                                                                                         |
| <b>LIFESPAN, MECHANICAL</b>                                          | 500,000 Operations                                                                                                                                                                                                                                              |
| <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>TERMINAL CAPACITY</b>                                             | 2 x (1 - 6) mm <sup>2</sup> , solid or<br>stranded<br>1 x (0.75 - 4) mm <sup>2</sup> , flexible<br>with ferrules to DIN 46228<br>2 x (0.75 - 4) mm <sup>2</sup> , flexible<br>with ferrules to DIN 46228<br>1 x (1 - 6) mm <sup>2</sup> , solid or<br>stranded  |
| <b>SAFETY PARAMETER (EN<br/>ISO 13849-1)</b>                         | B10d values as per EN ISO<br>13849-1, table C.1                                                                                                                                                                                                                 |
| <b>NUMBER OF AUXILIARY<br/>CONTACTS (NORMALLY<br/>OPEN CONTACTS)</b> | 0                                                                                                                                                                                                                                                               |
| <b>NUMBER OF CONTACT<br/>UNITS</b>                                   | 1                                                                                                                                                                                                                                                               |
| <b>NUMBER OF CONTACTS<br/>IN SERIES AT DC-21A, 240</b>               | 1                                                                                                                                                                                                                                                               |

|                                                                                  |                            |
|----------------------------------------------------------------------------------|----------------------------|
| <b>V</b>                                                                         |                            |
| <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>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>     | 260 A                      |
| <b>RATED BREAKING<br/>CAPACITY AT 400/415 V<br/>(COS PHI TO IEC 60947-3)</b>     | 260 A                      |
| <b>RATED BREAKING<br/>CAPACITY AT 500 V (COS<br/>PHI TO IEC 60947-3)</b>         | 240 A                      |
| <b>RATED BREAKING<br/>CAPACITY AT 660/690 V<br/>(COS PHI TO IEC 60947-3)</b>     | 170 A                      |
| <b>RATED MAKING<br/>CAPACITY UP TO 690 V<br/>(COS PHI TO IEC/EN<br/>60947-3)</b> | 320 A                      |
| <b>RATED OPERATING<br/>VOLTAGE (UE) - MAX</b>                                    | 690 V                      |
| <b>RATED OPERATING<br/>VOLTAGE (UE) - MIN</b>                                    | 690 V                      |
| <b>RATED OPERATIONAL<br/>VOLTAGE (UE) AT AC -<br/>MAX</b>                        | 690 V                      |
| <b>SHORT-CIRCUIT<br/>PROTECTION RATING</b>                                       | 35 A gG/gL, Fuse, Contacts |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) AT AC-21,<br/>440 V</b>                    | 32 A                       |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) AT AC-23A,<br/>230 V</b>                   | 32 A                       |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) AT AC-23A,<br/>400 V, 415 V</b>            | 32 A                       |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) AT AC-23A,<br/>500 V</b>                   | 26.4 A                     |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) AT AC-23A,</b>                             | 17 A                       |

|                                                                               |        |
|-------------------------------------------------------------------------------|--------|
| <b>690 V</b>                                                                  |        |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V</b>            | 23.7 A |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b>            | 23.7 A |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>                          | 23.7 A |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V</b>                   | 14.7 A |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, LOAD-BREAK SWITCHES L/R = 1 MS</b> | 25 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-13, CONTROL SWITCHES L/R = 50 MS</b>  | 20 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-21, 240 V</b>                         | 1 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 120 V</b>                        | 12 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 24 V</b>                         | 25 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 240 V</b>                        | 5 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 48 V</b>                         | 25 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 60 V</b>                         | 25 A   |
| <b>RATED OPERATIONAL CURRENT (IE) STAR-DELTA AT AC-3, 220/230 V</b>           | 32 A   |
| <b>RATED OPERATIONAL CURRENT (IE) STAR-DELTA AT AC-3, 380/400 V</b>           | 32 A   |
| <b>RATED OPERATIONAL CURRENT (IE) STAR-DELTA AT AC-3, 500 V</b>               | 32 A   |
| <b>RATED OPERATIONAL CURRENT (IE) STAR-DELTA AT AC-3, 690 V</b>               | 25.5 A |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED</b>                                | 32 A   |

|                                                               |                                                                                 |
|---------------------------------------------------------------|---------------------------------------------------------------------------------|
| <b>HEAT DISSIPATION (IN)</b>                                  |                                                                                 |
| <b>RATED OPERATIONAL POWER AT AC-23A, 220/230 V, 50 HZ</b>    | 7.5 kW                                                                          |
| <b>RATED OPERATIONAL POWER AT AC-23A, 400 V, 50 HZ</b>        | 15 kW                                                                           |
| <b>RATED OPERATIONAL POWER AT AC-23A, 500 V, 50 HZ</b>        | 15 kW                                                                           |
| <b>RATED OPERATIONAL POWER AT AC-23A, 690 V, 50 HZ</b>        | 15 kW                                                                           |
| <b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>      | 11 kW                                                                           |
| <b>RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ</b>          | 11 kW                                                                           |
| <b>RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ</b>          | 11 kW                                                                           |
| <b>RATED OPERATIONAL POWER STAR-DELTA AT 220/230 V, 50 HZ</b> | 7.5 kW                                                                          |
| <b>RATED OPERATIONAL POWER STAR-DELTA AT 380/400 V, 50 HZ</b> | 15 kW                                                                           |
| <b>TIGHTENING TORQUE</b>                                      | 17.7 lb-in, Screw terminals<br>1.6 Nm, Screw terminals                          |
| <b>UNINTERRUPTED CURRENT</b>                                  | Rated uninterrupted current I <sub>u</sub> is specified for max. cross-section. |
| <b>HOUSING COLOR</b>                                          | Gray                                                                            |
| <b>HOUSING MATERIAL</b>                                       | Plastic                                                                         |

|                        |
|------------------------|
| <b>PROJECT NAME:</b>   |
| <b>PROJECT NUMBER:</b> |
| <b>PREPARED BY:</b>    |
| □□:                    |

