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## Eaton 207349

Eaton Moeller® series P3 Main switch, P3, 63 A, surface mounting, 3 pole + N, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position

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| <b>PRODUCT NAME</b>         | Eaton Moeller® series P3 Main switch                                                                                                                                                                                                                                                                                              |
| <b>CATALOG NUMBER</b>       | 207349                                                                                                                                                                                                                                                                                                                            |
| <b>PRODUCT LENGTH/DEPTH</b> | 139 mm                                                                                                                                                                                                                                                                                                                            |
| <b>PRODUCT HEIGHT</b>       | 180 mm                                                                                                                                                                                                                                                                                                                            |
| <b>PRODUCT WIDTH</b>        | 160 mm                                                                                                                                                                                                                                                                                                                            |
| <b>PRODUCT WEIGHT</b>       | 1.228 kg                                                                                                                                                                                                                                                                                                                          |
| <b>COMPLIANCES</b>          | CE Marked                                                                                                                                                                                                                                                                                                                         |
| <b>CERTIFICATIONS</b>       | EN 60947-3<br>IEC 60947<br>CSA Std. C22.2 No. 14-05<br>UL 508<br>VDE<br>IEC/EN 60204<br>CE<br>CSA Class No.: 3211-05<br>CSA-C22.2 No. 60947-4-1-14<br>IEC/EN 60947-3<br>UL File No.: E36332<br>CSA-C22.2 No. 94<br>VDE 0660<br>UL<br>CSA File No.: 012528<br>IEC/EN 60947<br>UL Category Control No.: NLRV<br>CSA<br>UL 60947-4-1 |
| <b>CATALOG NOTES</b>        | Rated Short-time Withstand Current (Icw) for a time of 1 second                                                                                                                                                                                                                                                                   |

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

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| DECLARATIONS OF CONFORMITY | <a href="#">eaton-main-switch-declaration-of-conformity-uk251294en.pdf</a>                |
| □□□                        | <a href="#">eaton-rotary-switches-on-off-switch-p3-main-switch-wiring-diagram-002.eps</a> |
| □□                         | <a href="#">eaton-rotary-switches-p3-main-switch-dimensions-012.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>                                             | 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, 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 PERMANENT CURRENT AT AC-21, 400 V</b>                  | 63 A                                                                           |
| <b>RATED PERMANENT CURRENT AT AC-23, 400 V</b>                  | 63 A                                                                           |
| <b>RATED UNINTERRUPTED CURRENT (IU)</b>                         | 63 A                                                                           |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>       | 0 W                                                                            |
| <b>SWITCHING ANGLE</b>                                          | 90 °                                                                           |
| <b>SWITCHING POWER AT 400 V</b>                                 | 30 kW                                                                          |
| <b>VOLTAGE PER CONTACT</b>                                      | 60 V                                                                           |

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| <b>PAIR IN SERIES</b>                                     |                                   |
| <b>ACCESSORIES</b>                                        | Auxiliary contact fitted by user. |
| <b>RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ</b>      | 30 kW                             |
| <b>DEVICE CONSTRUCTION</b>                                | Complete device in housing        |
| <b>RATED SHORT-TIME WITHSTAND CURRENT (ICW)</b>           | 1.26 kA                           |
| <b>ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT</b>         | Screw connection                  |
| <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>ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE</b>  | 3 HP                              |
| <b>ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 1-PHASE</b>  | 7.5 HP                            |
| <b>ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE</b>  | 15 HP                             |
| <b>ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE</b>  | 10 HP                             |
| <b>ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE</b>  | 15 HP                             |
| <b>ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE</b>  | 40 HP                             |
| <b>ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE</b>  | 50 HP                             |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b> | 4.5 W                             |
| <b>HEAT DISSIPATION</b>                                   | 0 W                               |

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| <b>CAPACITY PDISS</b>                                          |                                                                                                                                                                                                                                               |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>       | 4.5 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>            | 4 kA (Load side)<br>100 kA (Supply side)                                                                                                                                                                                                      |
| <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                                                                                                                                                                                                                                          |
| <b>NUMBER OF POLES</b>                                         | 4                                                                                                                                                                                                                                             |
| <b>MOUNTING METHOD</b>                                         | Surface mounting                                                                                                                                                                                                                              |
| <b>DEGREE OF PROTECTION</b>                                    | NEMA 12                                                                                                                                                                                                                                       |
| <b>SUITABLE FOR</b>                                            | Branch circuits, suitable as motor disconnect, (UL/CSA)<br>Ground mounting                                                                                                                                                                    |
| <b>LOCKING FACILITY</b>                                        | Lockable in the 0 (Off) position                                                                                                                                                                                                              |
| <b>FUNCTIONS</b>                                               | Emergency switching off function<br>Interlockable                                                                                                                                                                                             |
| <b>NUMBER OF SWITCHES</b>                                      | 1                                                                                                                                                                                                                                             |
| <b>SAFE ISOLATION</b>                                          | 440 V AC, Between the contacts, According to EN 61140                                                                                                                                                                                         |
| <b>SCREW SIZE</b>                                              | M5, Terminal screw                                                                                                                                                                                                                            |
| <b>SHOCK RESISTANCE</b>                                        | 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms                                                                                                                                                                 |
| <b>LIFESPAN, MECHANICAL</b>                                    | 100,000 Operations                                                                                                                                                                                                                            |
| <b>LOAD RATING</b>                                             | 1.6 x I <sub>e</sub> (with intermittent operation class 12, 40 % duty factor)<br>2 x I <sub>e</sub> (with intermittent operation class 12, 25 % duty factor)<br>1.3 x I <sub>e</sub> (with intermittent operation class 12, 60 % duty factor) |

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| <b>SWITCHING CAPACITY<br/>(AUXILIARY CONTACTS,<br/>GENERAL USE)</b>              | 10A, IU, (UL/CSA)                                                                                                                                                                                                                                                                                                    |
| <b>SWITCHING CAPACITY<br/>(AUXILIARY CONTACTS,<br/>PILOT DUTY)</b>               | P600 (UL/CSA)<br>A600 (UL/CSA)                                                                                                                                                                                                                                                                                       |
| <b>TERMINAL CAPACITY</b>                                                         | 1 x (1.5 - 25) mm <sup>2</sup> , flexible<br>with ferrules to DIN 46228<br>14 - 2 AWG, solid or<br>flexible with ferrule<br>2 x (2.5 - 10) mm <sup>2</sup> , solid or<br>stranded<br>1 x (2.5 - 35) mm <sup>2</sup> , solid or<br>stranded<br>2 x (1.5 - 6) mm <sup>2</sup> , flexible<br>with ferrules to DIN 46228 |
| <b>SWITCHING CAPACITY<br/>(MAIN CONTACTS,<br/>GENERAL USE)</b>                   | 60 A, Rated uninterrupted<br>current max. (UL/CSA)                                                                                                                                                                                                                                                                   |
| <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 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, 48 V</b>                          | 2                                                                                                                                                                                                                                                                                                                    |
| <b>NUMBER OF CONTACTS<br/>IN SERIES AT DC-23A, 60 V</b>                          | 2                                                                                                                                                                                                                                                                                                                    |
| <b>RATED BREAKING<br/>CAPACITY AT 220/230 V<br/>(COS PHI TO IEC 60947-3)</b>     | 640 A                                                                                                                                                                                                                                                                                                                |
| <b>RATED BREAKING<br/>CAPACITY AT 400/415 V<br/>(COS PHI TO IEC 60947-3)</b>     | 600 A                                                                                                                                                                                                                                                                                                                |
| <b>RATED BREAKING<br/>CAPACITY AT 500 V (COS<br/>PHI TO IEC 60947-3)</b>         | 590 A                                                                                                                                                                                                                                                                                                                |
| <b>RATED BREAKING<br/>CAPACITY AT 660/690 V<br/>(COS PHI TO IEC 60947-3)</b>     | 340 A                                                                                                                                                                                                                                                                                                                |
| <b>RATED MAKING<br/>CAPACITY UP TO 690 V<br/>(COS PHI TO IEC/EN<br/>60947-3)</b> | 800 A                                                                                                                                                                                                                                                                                                                |
| <b>RATED OPERATING<br/>VOLTAGE (UE) - MAX</b>                                    | 690 V                                                                                                                                                                                                                                                                                                                |
| <b>RATED OPERATING<br/>VOLTAGE (UE) - MIN</b>                                    | 690 V                                                                                                                                                                                                                                                                                                                |

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| <b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>                                 | 690 V                                                  |
| <b>SHORT-CIRCUIT CURRENT RATING (BASIC RATING)</b>                                | 10 kA, SCCR (UL/CSA)<br>150A, max. Fuse, SCCR (UL/CSA) |
| <b>SHORT-CIRCUIT PROTECTION RATING</b>                                            | 80 A gG/gL, Fuse, Contacts                             |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-21, 440 V</b>                             | 63 A                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 230 V</b>                            | 63 A                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 400 V, 415 V</b>                     | 63 A                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 500 V</b>                            | 63 A                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-23A, 690 V</b>                            | 63 A                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V</b>                | 51 A                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b>                | 55 A                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>                              | 44 A                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V</b>                       | 22.1 A                                                 |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, LOAD-BREAK SWITCHES<br/>L/R = 1 MS</b> | 63 A                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 120 V</b>                            | 25 A                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 24 V</b>                             | 50 A                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 48 V</b>                             | 50 A                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-23A, 60 V</b>                             | 50 A                                                   |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED</b>                                    | 63 A                                                   |

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| <b>HEAT DISSIPATION (IN)</b>                               |                                                                                                                                                                                                                                               |
| <b>RATED OPERATIONAL POWER AT AC-23A, 220/230 V, 50 HZ</b> | 18.5 kW                                                                                                                                                                                                                                       |
| <b>RATED OPERATIONAL POWER AT AC-23A, 400 V, 50 HZ</b>     | 30 kW                                                                                                                                                                                                                                         |
| <b>RATED OPERATIONAL POWER AT AC-23A, 500 V, 50 HZ</b>     | 45 kW                                                                                                                                                                                                                                         |
| <b>RATED OPERATIONAL POWER AT AC-23A, 690 V, 50 HZ</b>     | 55 kW                                                                                                                                                                                                                                         |
| <b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>   | 30 kW                                                                                                                                                                                                                                         |
| <b>RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ</b>       | 30 kW                                                                                                                                                                                                                                         |
| <b>RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ</b>       | 30 kW                                                                                                                                                                                                                                         |
| <b>TIGHTENING TORQUE</b>                                   | 26.5 lb-in, Screw terminals<br>3 Nm, Screw terminals                                                                                                                                                                                          |
| <b>UNINTERRUPTED CURRENT</b>                               | Rated uninterrupted current I <sub>u</sub> is specified for max. cross-section.                                                                                                                                                               |
| <b>RATED SWITCHING CAPACITY</b>                            | 10 HP at 240 V AC, single-phase<br>15 HP at 200 V AC, three-phase<br>15 HP at 240 V AC, three-phase<br>3 HP at 120 V AC, single-phase<br>40 HP at 480 V AC, three-phase<br>50 HP at 600 V AC, three-phase<br>7.5 HP at 200 V AC, single-phase |
| <b>HOUSING COLOR</b>                                       | Gray                                                                                                                                                                                                                                          |
| <b>HOUSING MATERIAL</b>                                    | Plastic                                                                                                                                                                                                                                       |



