

# Specifications



## Eaton 276550

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 3 kW, 1 N/O, 230 V 50 Hz, 240 V 60 Hz, AC operation, Screw terminals DILM7-10(230V50HZ,240V60HZ)

### General specifications

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| <b>PRODUCT NAME</b>         | Eaton Moeller® series DILM contactor   |
| <b>CATALOG NUMBER</b>       | 276550   |
| <b>MODEL CODE</b>           | DILM7-10(230V50HZ,240V60HZ)  |
| <b>EAN</b>                  | 4015082765507  |
| <b>PRODUCT LENGTH/DEPTH</b> | 75 mm  |
| <b>PRODUCT HEIGHT</b>       | 68 mm  |
| <b>PRODUCT WIDTH</b>        | 45 mm  |
| <b>PRODUCT WEIGHT</b>       | 0.24 kg  |
| <b>CERTIFICATIONS</b>       | CSA-C22.2 No. 60947-4-1-14<br>CSA Class No.: 2411-03, 3211-04<br>IEC/EN 60947<br>UL 60947-4-1<br>UL Category Control No.: NLDX<br>CSA<br>CE<br>VDE 0660<br>UL<br>CSA File No.: 012528<br>IEC/EN 60947-4-1<br>UL File No.: E29096 |
| <b>CATALOG NOTES</b>        | Contacts according to EN 50012   |
| <b>GLOBAL CATALOG</b>       | 276550   |



Powering Business Worldwide

## Product specifications

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| <b>ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT</b>            | Screw connection   |
| <b>NUMBER OF POLES</b>  | Three-pole   |
| <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>                                 | Meets the product standard's requirements.   |
| <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.   |

## Resources

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| CATALOGS                   | <a href="#">SmartWire-DT Catalog</a>   |
|                            | <a href="#">Product Range Catalog Switching and protecting motors</a>                  |
|                            | <a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a> |
| CHARACTERISTIC CURVE       | <a href="#">eaton-contactors-component-dilm-characteristic-curve-003.eps</a>           |
|                            | <a href="#">eaton-contactors-switch-dilm-characteristic-curve-002.eps</a>              |
|                            | <a href="#">eaton-contactors-switch-dilm-characteristic-curve.eps</a>                  |
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-contactor-declaration-of-conformity-eu250726en.pdf</a>               |
|                            | <a href="#">eaton-contactor-declaration-of-conformity-uk251209en.pdf</a>               |
| DRAWINGS                   | <a href="#">eaton-contactors-module-dilm-dimensions-002.eps</a>                        |
|                            | <a href="#">eaton-contactors-frame-dilm-dimensions.eps</a>                             |
|                            | <a href="#">eaton-contactors-mounting-dilm-dimensions.eps</a>                          |
|                            | <a href="#">eaton-contactors-module-dilm-dimensions.eps</a>                            |
|                            | <a href="#">eaton-contactors-mounting-dilm-dimensions-002.eps</a>                      |
|                            | <a href="#">eaton-general-ie-ready-dilm-contactor-standards.eps</a>                    |
|                            | <a href="#">eaton-contactors-dilm-3d-drawing-007.eps</a>                               |
| ECAD MODEL                 | <a href="#">ETN.276550.edz</a>   |
| INSTALLATION INSTRUCTIONS  | <a href="#">eaton-contactors-dila-dilm7-15-dilmp20-il03407013z.pdf</a>                 |
| INSTALLATION VIDEOS        | <a href="#">WIN-WIN with push-in technology</a>  |

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| <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>OPERATING FREQUENCY</b>                                      | 9000 mechanical Operations/h (AC operated)  |
| <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>CONNECTION TO SMARTWIRE-DT</b>                               | No  |
| <b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>                   | 8000 V AC   |
| <b>UTILIZATION CATEGORY</b>                                     | AC-4: Normal AC induction motors: starting, plugging, reversing, inching<br>AC-1: Non-inductive or slightly inductive loads, resistance furnaces<br>AC-3: Normal AC induction motors: starting, switch off during running |
| <b>CONNECTION</b>   | Screw terminals   |
| <b>FRAME SIZE</b>   | FS1   |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                      | 60 °C   |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>                      | -25 °C  |

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| MCAD MODEL       | <a href="#">DA-CS-dil_m7_15</a>                                     |
|                  | <a href="#">DA-CD-dil_m7_15</a>                                     |
| PEP ECO-PASSPORT | <a href="#">EATO-00023-V01.01-EN</a>                                |
| SYSTEM OVERVIEW  | <a href="#">eaton-contactors-dilm-contactor-system-overview.eps</a> |
| WIRING DIAGRAMS  | <a href="#">eaton-contactors-contact-dilm-wiring-diagram.eps</a>    |

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| <b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX</b>                   | 40 °C                   |
| <b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN</b>                   | -25 °C                  |
| <b>AMBIENT STORAGE TEMPERATURE - MAX</b>                                | 80 °C                   |
| <b>AMBIENT STORAGE TEMPERATURE - MIN</b>                                | -40 °C                  |
| <b>ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE</b>                | 0.25 HP                 |
| <b>ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE</b>                | 1.5 HP                  |
| <b>ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE</b>                | 1 HP                    |
| <b>ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE</b>                | 2 HP                    |
| <b>ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE</b>                | 3 HP                    |
| <b>ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE</b>                | 5 HP                    |
| <b>CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)</b>              | 45 A                    |
| <b>CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)</b>              | 18 A                    |
| <b>CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)</b>          | 21 A                    |
| <b>CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1-POLE, OPEN)</b> | 50 A                    |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>               | 0 W                     |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                                  | 0 W                     |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>                | 0.1 W                   |
| <b>APPLICATION</b>  | Contactors for Motors   |
| <b>PRODUCT CATEGORY</b>   | Contactors              |
| <b>PROTECTION</b>   | Finger and back-of-hand |

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|  | proof, Protection against direct contact when actuated from front (EN 50274)                        |
| <b>ARCING TIME</b>   | 10 ms   |
| <b>ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT</b>              | Screw connection  |
| <b>SCREWDRIVER SIZE</b>  | 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver<br>2, Terminal screw, Pozidriv screwdriver |
| <b>VOLTAGE TYPE</b>  | AC  |
| <b>DEGREE OF PROTECTION</b>                                    | IP20  |
| <b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b> | 0   |
| <b>NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)</b>   | 1   |
| <b>NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT</b>    | 0   |
| <b>NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)</b>             | 1   |
| <b>NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)</b>         | 3   |
| <b>RATED BREAKING CAPACITY AT 220/230 V</b>                    | 70 A  |
| <b>RATED BREAKING CAPACITY AT 380/400 V</b>                    | 70 A  |
| <b>RATED BREAKING CAPACITY AT 500 V</b>                        | 50 A  |
| <b>RATED BREAKING CAPACITY AT 660/690 V</b>                    | 40 A  |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b>    | 230 V   |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b>    | 230 V   |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b>    | 240 V   |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b>    | 240 V   |
| <b>DROP-OUT VOLTAGE</b>  | AC operated: 0.6 - 0.3 x UC, AC operated  |

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| <b>OVERVOLTAGE CATEGORY</b>                                 | III  |
| <b>DUTY FACTOR</b>  | 100 %  |
| <b>EMITTED INTERFERENCE</b>                                 | According to EN 60947-1  |
| <b>INTERFERENCE IMMUNITY</b>                                | According to EN 60947-1  |
| <b>LIFESPAN, MECHANICAL</b>                                 | 10,000,000 Operations (AC operated)  |
| <b>PICK-UP VOLTAGE</b>                                      | 0.8 - 1.1 V AC x U <sub>c</sub>  |
| <b>POWER CONSUMPTION, PICK-UP, 50 HZ</b>                    | 24 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 50 Hz   |
| <b>SAFE ISOLATION</b>                                       | 400 V AC, Between the contacts, According to EN 61140<br>400 V AC, Between coil and contacts, According to EN 61140  |
| <b>POWER CONSUMPTION, PICK-UP, 60 HZ</b>                    | 30 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 60 Hz   |
| <b>SCREW SIZE</b>   | M3.5, Terminal screw   |
| <b>POWER CONSUMPTION, SEALING, 50 HZ</b>                    | 3.4 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 50 Hz<br>1.4 W, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 50 Hz  |
| <b>POWER CONSUMPTION, SEALING, 60 HZ</b>                    | 1.4 W, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 60 Hz<br>4.4 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 60 Hz  |
| <b>SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)</b> | 1 A, 250 V DC, (UL/CSA)<br>10 A, 600 V AC, (UL/CSA)  |
| <b>SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)</b>  | P300, DC operated (UL/CSA)<br>A600, AC operated (UL/CSA)   |
| <b>TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)</b>            | 2 x (0.75 - 2.5) mm <sup>2</sup><br>2 x (0.75 - 2,5) mm <sup>2</sup><br>1 x (0.75 - 2.5) mm <sup>2</sup>   |
| <b>SHOCK RESISTANCE</b>                                     | 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>5.7 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms<br>5 g, N/C auxiliary contact, |

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|  | Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>3.4 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms<br>3.4 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms |
| <b>TERMINAL CAPACITY (SOLID)</b>                                   | 1 x (0.75 - 4) mm <sup>2</sup><br>2 x (0.75 - 2.5) mm <sup>2</sup>   |
| <b>TERMINAL CAPACITY (SOLID/STRANDED AWG)</b>                      | Single 18 - 10, double 18 - 14   |
| <b>SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)</b>             | 20 A, Maximum motor rating (UL/CSA)  |
| <b>TIGHTENING TORQUE</b>   | 1.2 Nm, Screw terminals  |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX</b>               | 0 V  |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN</b>               | 0 V  |
| <b>RATED INSULATION VOLTAGE (UI)</b>                               | 690 V  |
| <b>RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)</b> | 112 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V</b> | 22 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V</b> | 7 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b> | 7 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V</b>               | 7 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>               | 5 A  |

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| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V</b>          | 4 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V</b>   | 5 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V</b>                 | 5 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V</b>                 | 5 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V</b>                 | 4.5 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V</b>          | 4 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V</b>                 | 20 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V</b>                 | 15 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V</b>                  | 20 A   |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 7 A    |
| <b>RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ</b>                 | 2.2 kW |
| <b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>             | 3 kW   |
| <b>RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ</b>                 | 4 kW   |
| <b>RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ</b>             | 1 kW   |
| <b>RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ</b>                 | 1.5 kW |
| <b>RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ</b>             | 2.2 kW |
| <b>RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ</b>                 | 2.3 kW |
| <b>RATED OPERATIONAL POWER AT AC-4, 440 V, 50</b>                    | 2.4 kW |

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| <b>HZ</b>   |   |
| <b>RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ</b>                    | 2.5 kW  |
| <b>RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ</b>                | 2.9 kW  |
| <b>RATED OPERATIONAL POWER (NEMA)</b>                                   | 2.2 kW  |
| <b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>                       | 690 V   |
| <b>RESISTANCE PER POLE</b>  | 2.5 mΩ  |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>               | 1.4 W   |
| <b>STRIPPING LENGTH (CONTROL CIRCUIT CABLE)</b>                         | 10 mm   |
| <b>STRIPPING LENGTH (MAIN CABLE)</b>                                    | 10 mm   |
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX</b> | 21 ms   |
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN</b> | 15 ms   |
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX</b> | 18 ms   |
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN</b> | 9 ms  |
| <b>SHORT-CIRCUIT CURRENT RATING (BASIC RATING)</b>                      | 5 kA, 25 A max. fuse, SCCR (UL/CSA)<br>5 kA, 25 A max. CB, SCCR (UL/CSA)  |
| <b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)</b>               | 100 kA, 20 A CLASS J max. fuse, SCCR (UL/CSA)<br>30 kA, 25 A CLASS RK5 max. fuse, SCCR (UL/CSA)<br>65 kA, 16 A max. CB, SCCR (UL/CSA) |
| <b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)</b>               | 100 kA, 20 A CLASS J max. fuse, SCCR (UL/CSA)<br>30 kA, 25 A CLASS RK5 max. fuse, SCCR (UL/CSA)                                       |
| <b>SHORT-CIRCUIT</b>  | 35 A gG/gL  |

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| <b>PROTECTION RATING<br/>(TYPE 1 COORDINATION)<br/>AT 400 V</b>               |   |
| <b>SUITABLE FOR</b>   | Also motors with efficiency class IE3   |
| <b>SHORT-CIRCUIT PROTECTION RATING<br/>(TYPE 1 COORDINATION)<br/>AT 690 V</b> |   |
|   | 20 A gG/gL  |
| <b>SHORT-CIRCUIT PROTECTION RATING<br/>(TYPE 2 COORDINATION)<br/>AT 400 V</b> |   |
|   | 20 A gG/gL  |
| <b>SHORT-CIRCUIT PROTECTION RATING<br/>(TYPE 2 COORDINATION)<br/>AT 690 V</b> |   |
|   | 16 A gG/gL  |
| <b>SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS</b>           | 12 A (600V 60Hz 3phase, 347V 60Hz 1phase)<br>12 A (480V 60Hz 3phase, 277V 60Hz 1phase)  |
| <b>SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING</b>                      | 7 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)<br>42 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)   |
| <b>SPECIAL PURPOSE RATING OF ELEVATOR CONTROL</b>                             | 3.7 A, 200 V 60 Hz 3-ph, (UL/CSA)<br>6 A, 240 V 60 Hz 3-ph, (UL/CSA)<br>3.4 A, 480 V 60 Hz 3-ph, (UL/CSA)<br>0.75 HP, 200 V 60 Hz 3-ph, (UL/CSA)<br>2 HP, 480 V 60 Hz 3-ph, (UL/CSA)<br>3.9 A, 600 V 60 Hz 3-ph, (UL/CSA)<br>1.5 HP, 240 V 60 Hz 3-ph, (UL/CSA)<br>3 HP, 600 V 60 Hz 3-ph, (UL/CSA) |
| <b>SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)</b>             | 60 A, LRA 600 V 60 Hz 3phase; (CSA)<br>60 A, LRA 480 V 60 Hz 3phase; (CSA)<br>10 A, FLA 480 V 60 Hz 3phase; (CSA)<br>10 A, FLA 600 V 60 Hz 3phase; (CSA)  |
| <b>SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING</b>                       | 12 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)<br>12 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase,   |

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|  | (UL/CSA)   |
| <b>SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS</b>   | 14 A, 600 V 60 Hz 3phase,<br>347 V 60 Hz 1phase,<br>(UL/CSA)<br>14 A, 480 V 60 Hz 3phase,<br>277 V 60 Hz 1phase,<br>(UL/CSA) |
| <b>CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)</b> | 22 A   |
| <b>CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)</b> | 21 A   |
| <b>CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)</b> | 20 A   |
| <b>RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ</b>           | 4.5 kW   |
| <b>RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ</b>           | 3.5 kW   |
| <b>RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ</b>           | 3.5 kW   |
| <b>ACTUATING VOLTAGE</b>                                       | 230 V 50 Hz, 240 V 60 Hz   |
| <b>ALTITUDE</b>  | Max. 2000 m  |
| <b>OPERATING VOLTAGE AT AC, 50 HZ - MIN</b>                    | 24 V   |
| <b>OPERATING VOLTAGE AT AC, 50 HZ - MAX</b>                    | 690 V  |
| <b>OPERATING VOLTAGE AT AC, 60 HZ - MIN</b>                    | 24 V   |
| <b>OPERATING VOLTAGE AT AC, 60 HZ - MAX</b>                    | 690 V  |

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**



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