# Specifications

**Photo is representative**

## Eaton 277138

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 11 kW, 1 N/O, 110 V 50/60 Hz, AC operation, Screw terminals

| General specifications | |
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| **PRODUCT NAME** | Eaton Moeller® series DILM contactor |
| **CATALOG NUMBER** | 277138 |
| **MODEL CODE** | DILM25-10(110V50/60HZ) |
| **EAN** | 4015082771386 |
| **PRODUCT LENGTH/DEPTH** | 97 mm |
| **PRODUCT HEIGHT** | 85 mm |
| **PRODUCT WIDTH** | 45 mm |
| **PRODUCT WEIGHT** | 0.428 kg |
| **COMPLIANCES** | CE Marked |
| **CERTIFICATIONS** | EN 60947-4-1<br>IEC 60947-4-1<br>CSA Std. C22.2 No. 14-05<br>UL 508<br>VDE<br>CSA File No.: 012528<br>UL File No.: E29096<br>UL Category Control No.: NLDX<br>IEC/EN 60947-4-1<br>CSA Class No.: 2411-03, 3211-04<br>CE<br>VDE 0660<br>UL<br>IEC/EN 60947<br>CSA-C22.2 No. 60947-4-1-14<br>UL 60947-4-1<br>CSA |
| **CATALOG NOTES** | Contacts according to EN 50012 |
| **GLOBAL CATALOG** | 277138 |

Powering Business Worldwide

## Product specifications

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| **ELECTRICAL CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT** | Screw connection |
| **AMPERAGE RATING** | 25A |
| **NUMBER OF POLES** | Three-pole |
| **VOLTAGE RATING** | 110 V |
| **10.10 TEMPERATURE RISE** | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| **10.11 SHORT-CIRCUIT RATING** | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| **10.12 ELECTROMAGNETIC COMPATIBILITY** | Is the panel builder's responsibility. The specifications for the switchgear must be observed. |
| **10.13 MECHANICAL FUNCTION** | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |
| **10.2.2 CORROSION RESISTANCE** | Meets the product standard's requirements. |
| **10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES** | Meets the product standard's requirements. |
| **10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT** | Meets the product standard's requirements. |
| **10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS** | Meets the product standard's requirements. |
| **10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION** | Meets the product standard's requirements. |
| **10.2.5 LIFTING** | Does not apply, since the entire switchgear needs to be evaluated. |

## Resources

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| **CATALOGS** | Product Range Catalog Switching and protecting motors<br><br>eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf<br><br>SmartWire-DT Catalog |
| **CHARACTERISTIC CURVE** | eaton-contactors-switch-dilm-characteristic-curve-002.eps<br><br>eaton-contactors-component-dilm-characteristic-curve-003.eps<br><br>eaton-contactors-switch-dilm-characteristic-curve.eps |
| **DECLARATIONS OF CONFORMITY** | DA-DC-00004816.pdf<br><br>DA-DC-00004783.pdf |
| **DRAWINGS** | eaton-contactors-mounting-dilm-dimensions-002.eps<br><br>eaton-contactors-mounting-dilm-dimensions.eps<br><br>eaton-contactors-dimensions-210t014.eps<br><br>eaton-contactors-contact-dimensions-210x202.eps<br><br>eaton-general-ie-ready-dilm-contactor-standards.eps<br><br>eaton-contactors-dilm-3d-drawing-009.eps |
| **ECAD MODEL** | ETN.277138.edz |
| **INSTALLATION INSTRUCTIONS** | IL03407014Z2021_09.pdf |
| **INSTALLATION VIDEOS** | WIN-WIN with push-in technology |
| **MCAD MODEL** | DA-CS-dil_m17_38<br><br>DA-CD-dil_m17_38 |

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| **10.2.6 MECHANICAL IMPACT** | Does not apply, since the entire switchgear needs to be evaluated. |
| **10.2.7 INSCRIPTIONS** | Meets the product standard's requirements. |
| **10.3 DEGREE OF PROTECTION OF ASSEMBLIES** | Does not apply, since the entire switchgear needs to be evaluated. |
| **10.4 CLEARANCES AND CREEPAGE DISTANCES** | Meets the product standard's requirements. |
| **10.5 PROTECTION AGAINST ELECTRIC SHOCK** | Does not apply, since the entire switchgear needs to be evaluated. |
| **10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS** | Does not apply, since the entire switchgear needs to be evaluated. |
| **10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS** | Is the panel builder's responsibility. |
| **10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS** | Is the panel builder's responsibility. |
| **10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH** | Is the panel builder's responsibility. |
| **10.9.3 IMPULSE WITHSTAND VOLTAGE** | Is the panel builder's responsibility. |
| **10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL** | Is the panel builder's responsibility. |
| **FREQUENCY RATING** | 50-60 Hz |
| **OPERATING FREQUENCY** | 5000 mechanical Operations/h (AC operated) |
| **POLLUTION DEGREE** | 3 |
| **CLIMATIC PROOFING** | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |
| **CONNECTION TO SMARTWIRE-DT** | No |
| **RATED IMPULSE WITHSTAND VOLTAGE (UIMP)** | 8000 V AC |
| **UTILIZATION CATEGORY** | 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 |

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| **SYSTEM OVERVIEW** | eaton-contactors-dilm-contactor-system-overview.eps |
| **WIRING DIAGRAMS** | eaton-contactors-contact-dilm-wiring-diagram.eps |

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| | motors: starting, switch off during running |
| **CONNECTION** | Screw terminals |
| **FRAME SIZE** | FS2 |
| **AMBIENT OPERATING TEMPERATURE - MAX** | 60 °C |
| **AMBIENT OPERATING TEMPERATURE - MIN** | -25 °C |
| **AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX** | 40 °C |
| **AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN** | 25 °C |
| **AMBIENT STORAGE TEMPERATURE - MAX** | 80 °C |
| **AMBIENT STORAGE TEMPERATURE - MIN** | 40 °C |
| **ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE** | 2 HP |
| **ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE** | 7.5 HP |
| **ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE** | 5 HP |
| **ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE** | 10 HP |
| **ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE** | 15 HP |
| **ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE** | 20 HP |
| **CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)** | 90 A |
| **CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)** | 36 A |
| **CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)** | 42 A |
| **CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1-POLE, OPEN)** | 100 A |

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| **EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID** | 4.2 W |
| **HEAT DISSIPATION CAPACITY PDISS** | 0 W |
| **HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID** | 1.4 W |
| **APPLICATION** | Contactors for Motors |
| **PRODUCT CATEGORY** | Contactors |
| **PROTECTION** | Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) |
| **ARCING TIME** | 10 ms |
| **ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT** | Screw connection |
| **SCREWDRIVER SIZE** | 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver<br>2, Terminal screw, Pozidriv screwdriver |
| **VOLTAGE TYPE** | AC |
| **DEGREE OF PROTECTION** | IP00 |
| **NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)** | 0 |
| **NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)** | 1 |
| **NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT** | 0 |
| **NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)** | 1 |
| **NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)** | 3 |
| **OPERATING TEMPERATURE - MAX** | 60 °C |
| **OPERATING TEMPERATURE - MIN** | -25 °C |
| **RATED BREAKING CAPACITY AT 220/230 V** | 250 A |
| **RATED BREAKING CAPACITY AT 380/400 V** | 250 A |

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| **RATED BREAKING CAPACITY AT 500 V** | 250 A |
| **RATED BREAKING CAPACITY AT 660/690 V** | 150 A |
| **RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX** | 110 V |
| **RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN** | 110 V |
| **RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX** | 110 V |
| **RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN** | 110 V |
| **CONTACT CONFIGURATION** | 1 NO |
| **DROP-OUT VOLTAGE** | AC operated: 0.6 - 0.3 x UC, AC operated |
| **OVERVOLTAGE CATEGORY** | III |
| **DUTY FACTOR** | 100 % |
| **EMITTED INTERFERENCE** | According to EN 60947-1 |
| **INTERFERENCE IMMUNITY** | According to EN 60947-1 |
| **LIFESPAN, MECHANICAL** | 10,000,000 Operations (AC operated)<br>7,000,000 Operations (Coil 50/60 Hz) |
| **PICK-UP VOLTAGE** | 0.8 - 1.1 V AC x Uc |
| **POWER CONSUMPTION, PICK-UP, 50 HZ** | 58 VA, Dual-frequency coil in a cold state and 1.0 x Us<br><br>62 VA, Dual-frequency coil in a cold state and 1.0 x Us |
| **SAFE ISOLATION** | 440 V AC, Between coil and contacts, According to EN 61140<br>440 V AC, Between the contacts, According to EN 61140 |
| **POWER CONSUMPTION, PICK-UP, 60 HZ** | 62 VA, Dual-frequency coil in a cold state and 1.0 x Us<br><br>58 VA, Dual-frequency coil in a cold state and 1.0 x Us |
| **SCREW SIZE** | M5, Terminal screw, Main cables<br>M3.5, Terminal screw, |

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| | Control circuit cables |
| **POWER CONSUMPTION, SEALING, 50 HZ** | 2.1 W, Dual-frequency coil in a cold state and 1.0 x Us |
| **POWER CONSUMPTION, SEALING, 60 HZ** | 6.5 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz<br>2.1 W, Dual-frequency coil in a cold state and 1.0 x Us<br><br>9.1 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz |
| **TERMINAL CAPACITY (STRANDED)** | 1 x 16 $mm^2$, Main cables |
| **SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)** | 1 A, 250 V DC, (UL/CSA)<br>10 A, 600 V AC, (UL/CSA) |
| **SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)** | A600, AC operated (UL/CSA)<br>P300, DC operated (UL/CSA) |
| **TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)** | 2 x (0.75 - 2.5) $mm^2$, Control circuit cables<br>2 x (0.75 - 10) $mm^2$, Main cables<br>1 x (0.75 - 16) $mm^2$, Main cables<br>1 x (0.75 - 2.5) $mm^2$, Control circuit cables |
| **SHOCK RESISTANCE** | 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>6.9 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms<br>5.3 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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>3.5 g, N/C auxiliary contact, Mechanical, |

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| | according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms |
| **TERMINAL CAPACITY (SOLID)** | 2 x (0.75 - 10) $mm^2$, Main cables<br>1 x (0.75 - 16) $mm^2$, Main cables<br>2 x (0.75 - 2.5) $mm^2$, Control circuit cables<br>1 x (0.75 - 4) $mm^2$, Control circuit cables |
| **TERMINAL CAPACITY (SOLID/STRANDED AWG)** | Single 18 - 6, double 18 - 8, Main cables<br>18 - 14, Control circuit cables |
| **SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)** | 40 A, Maximum motor rating (UL/CSA) |
| **TIGHTENING TORQUE** | 1.2 Nm, Screw terminals, Control circuit cables<br>3.2 Nm, Screw terminals, Main cables |
| **RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX** | 0 V |
| **RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN** | 0 V |
| **RATED INSULATION VOLTAGE (UI)** | 690 V |
| **RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)** | 350 A |
| **RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V** | 45 A |
| **RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V** | 25 A |
| **RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V** | 25 A |
| **RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V** | 25 A |
| **RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V** | 25 A |
| **RATED OPERATIONAL** | 15 A |

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| **CURRENT (IE) AT AC-3, 660 V, 690 V** | |
| **RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V** | 13 A |
| **RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V** | 13 A |
| **RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V** | 13 A |
| **RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V** | 13 A |
| **RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V** | 10 A |
| **RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V** | 40 A |
| **RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V** | 40 A |
| **RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V** | 40 A |
| **RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)** | 25 A |
| **RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ** | 8.5 kW |
| **RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ** | 11 kW |
| **RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ** | 14.5 kW |
| **RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ** | 3.5 kW |
| **RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ** | 4 kW |
| **RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ** | 6 kW |
| **RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ** | 6.5 kW |

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| **RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ** | 7 kW |
| **RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ** | 8 kW |
| **RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ** | 8.5 kW |
| **RATED OPERATIONAL POWER (NEMA)** | 11 kW |
| **RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX** | 690 V |
| **RESISTANCE PER POLE** | 2.7 mΩ |
| **STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS** | 2.1 W |
| **STRIPPING LENGTH (CONTROL CIRCUIT CABLE)** | 10 mm |
| **STRIPPING LENGTH (MAIN CABLE)** | 10 mm |
| **SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX** | 22 ms |
| **SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN** | 16 ms |
| **SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX** | 14 ms |
| **SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN** | 8 ms |
| **SHORT-CIRCUIT CURRENT RATING (BASIC RATING)** | 5 kA, SCCR (UL/CSA)<br>125 A, max. Fuse, SCCR (UL/CSA)<br>125 A, max. CB, SCCR (UL/CSA) |
| **SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)** | 10/100 kA, Fuse, SCCR (UL/CSA)<br>10/65 kA, CB, SCCR (UL/CSA)<br>50/32 A, max. CB, SCCR (UL/CSA) |

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| | 125/70 A, Class J, max. Fuse, SCCR (UL/CSA) |
| **SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)** | 50/32 A, max. CB, SCCR (UL/CSA)<br>10/100 kA, Fuse, SCCR (UL/CSA)<br>125/100 A, Class J, max. Fuse, SCCR (UL/CSA)<br>10/22 kA, CB, SCCR (UL/CSA) |
| **SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V** | 100 A gG/gL |
| **SUITABLE FOR** | Also motors with efficiency class IE3 |
| **SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V** | 50 A gG/gL |
| **SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V** | 35 A gG/gL |
| **SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V** | 35 A gG/gL |
| **SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS** | 40 A (600V 60Hz 3phase, 347V 60Hz 1phase)<br>40 A (480V 60Hz 3phase, 277V 60Hz 1phase) |
| **SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING** | 150 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)<br>25 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA) |
| **SPECIAL PURPOSE RATING OF ELEVATOR CONTROL** | 17 A, 600 V 60 Hz 3-ph, (UL/CSA)<br>14 A, 480 V 60 Hz 3-ph, (UL/CSA)<br>15 HP, 600 V 60 Hz 3-ph, (UL/CSA)<br>5 HP, 240 V 60 Hz 3-ph, (UL/CSA)<br>10 HP, 480 V 60 Hz 3-ph, (UL/CSA)<br>15.2 A, 240 V 60 Hz 3-ph, (UL/CSA)<br>3 HP, 200 V 60 Hz 3-ph, (UL/CSA)<br>11 A, 200 V 60 Hz 3-ph, |

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| | (UL/CSA) |
| **SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)** | 40 A, FLA 480 V 60 Hz 3phase; (CSA)<br>240 A, LRA 480 V 60 Hz 3phase; (CSA)<br>180 A, LRA 600 V 60 Hz 3phase; (CSA)<br>30 A, FLA 600 V 60 Hz 3phase; (CSA) |
| **SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING** | 40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)<br>40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) |
| **SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS** | 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)<br>40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) |
| **OPERATING TEMPERATURE** | -25° to 60°C |
| **CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)** | 45 A |
| **CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)** | 43 A |
| **CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)** | 40 A |
| **RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ** | 15.5 kW |
| **RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ** | 17.5 kW |
| **RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ** | 14 kW |
| **ACTUATING VOLTAGE** | 110 V 50/60 Hz |
| **ALTITUDE** | Max. 2000 m |
| **OPERATING VOLTAGE AT AC, 50 HZ - MIN** | 24 V |
| **OPERATING VOLTAGE AT AC, 50 HZ - MAX** | 690 V |
| **OPERATING VOLTAGE AT AC, 60 HZ - MIN** | 24 V |
| **OPERATING VOLTAGE AT AC, 60 HZ - MAX** | 690 V |

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| **PROJECT NAME:** | |
| **PROJECT NUMBER:** | |
| **PREPARED BY:** | |
| **DATE:** | |

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