

# Eaton 112435

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 18.5 kW, 1 N/O, 220 V 50/60 Hz, AC operation, Screw terminals

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| PRODUCT NAME         | Eaton Moeller® series<br>DILM contactor                                                                                                                                                                                                                                                                                  |
| CATALOG NUMBER       | 112435                                                                                                                                                                                                                                                                                                                   |
| PRODUCT LENGTH/DEPTH | 97 mm                                                                                                                                                                                                                                                                                                                    |
| PRODUCT HEIGHT       | 85 mm                                                                                                                                                                                                                                                                                                                    |
| PRODUCT WIDTH        | 45 mm                                                                                                                                                                                                                                                                                                                    |
| PRODUCT WEIGHT       | 0.428 kg                                                                                                                                                                                                                                                                                                                 |
| COMPLIANCES          | CE Marked                                                                                                                                                                                                                                                                                                                |
| CERTIFICATIONS       | UL 508<br>IEC 60947-4-1<br>CSA Std. C22.2 No. 14-05<br>EN 60947-4-1<br>VDE<br>UL File No.: E29096<br>UL Category Control No.:<br>NLDX<br>UL<br>UL 60947-4-1<br>CSA Class No.: 2411-03,<br>3211-04<br>CSA<br>CSA-C22.2 No. 60947-4-1-<br>14<br>VDE 0660<br>CE<br>CSA File No.: 012528<br>IEC/EN 60947<br>IEC/EN 60947-4-1 |
| CATALOG NOTES        | Contacts according to EN<br>50012                                                                                                                                                                                                                                                                                        |

**ELECTRICAL  
CONNECTION TYPE FOR  
AUXILIARY- AND  
CONTROL-CURRENT  
CIRCUIT**

Screw connection

**AMPERAGE RATING**

38A

**NUMBER OF POLES**

Three-pole

**VOLTAGE RATING**

220 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.

**CHARACTERISTIC CURVE**

[eaton-contactors-switch-dilm-characteristic-curve-002.eps](#)

[eaton-contactors-switch-dilm-characteristic-curve.eps](#)

**DECLARATIONS OF  
CONFORMITY**

[eaton-contactor-declaration-of-conformity-uk251218en.pdf](#)

[IL03407014Z2021\\_09.pdf](#)

[eaton-contactors-contact-dilm-wiring-diagram.eps](#)

[eaton-contactors-dimensions-210t014.eps](#)

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| <b>10.2.6 MECHANICAL IMPACT</b>                                 | Does not apply, since the entire switchgear needs to be evaluated.                                                                                                            |
| <b>10.2.7 INSCRIPTIONS</b>                                      | Meets the product standard's requirements.                                                                                                                                    |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>                  | Does not apply, since the entire switchgear needs to be evaluated.                                                                                                            |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>                   | Meets the product standard's requirements.                                                                                                                                    |
| <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>FREQUENCY RATING</b>                                         | 50-60 Hz                                                                                                                                                                      |
| <b>OPERATING FREQUENCY</b>                                      | 5000 mechanical Operations/h (AC operated)                                                                                                                                    |
| <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>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 |

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

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| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>      | 9.3 W                                                                                                |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                         | 0 W                                                                                                  |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>       | 3.1 W                                                                                                |
| <b>APPLICATION</b>                                             | Contactors for Motors                                                                                |
| <b>PRODUCT CATEGORY</b>                                        | Contactors                                                                                           |
| <b>PROTECTION</b>                                              | Finger and back-of-hand 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>                                        | 2, Terminal screw, Pozidriv screwdriver<br>0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver  |
| <b>VOLTAGE TYPE</b>                                            | AC                                                                                                   |
| <b>DEGREE OF PROTECTION</b>                                    | IP00                                                                                                 |
| <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>OPERATING TEMPERATURE - MAX</b>                             | 60 °C                                                                                                |
| <b>OPERATING TEMPERATURE - MIN</b>                             | -25 °C                                                                                               |
| <b>RATED BREAKING CAPACITY AT 220/230 V</b>                    | 320 A                                                                                                |
| <b>RATED BREAKING CAPACITY AT 380/400 V</b>                    | 320 A                                                                                                |

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| <b>RATED BREAKING CAPACITY AT 500 V</b>                     | 320 A                                                                                                                  |
| <b>RATED BREAKING CAPACITY AT 660/690 V</b>                 | 180 A                                                                                                                  |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b> | 220 V                                                                                                                  |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b> | 220 V                                                                                                                  |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b> | 220 V                                                                                                                  |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b> | 220 V                                                                                                                  |
| <b>CONTACT CONFIGURATION</b>                                | 1 NO                                                                                                                   |
| <b>DROP-OUT VOLTAGE</b>                                     | AC operated: 0.6 - 0.3 x UC, AC operated                                                                               |
| <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)<br>7,000,000 Operations (Coil 50/60 Hz)                                            |
| <b>PICK-UP VOLTAGE</b>                                      | 0.8 - 1.1 V AC x Uc                                                                                                    |
| <b>POWER CONSUMPTION, PICK-UP, 50 HZ</b>                    | 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 |
| <b>SAFE ISOLATION</b>                                       | 440 V AC, Between coil and contacts, According to EN 61140<br>440 V AC, Between the contacts, According to EN 61140    |
| <b>POWER CONSUMPTION, PICK-UP, 60 HZ</b>                    | 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 |
| <b>SCREW SIZE</b>                                           | M3.5, Terminal screw, Control circuit cables<br>M5, Terminal screw, Main                                               |

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|                                                                     | cables                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>POWER CONSUMPTION,<br/>SEALING, 50 HZ</b>                        | 2.1 W, Dual-frequency coil<br>in a cold state and 1.0 x Us                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>POWER CONSUMPTION,<br/>SEALING, 60 HZ</b>                        | 9.1 VA, Dual-frequency coil<br>in a cold state and 1.0 x<br>Us, at 60 Hz<br>6.5 VA, Dual-frequency coil<br>in a cold state and 1.0 x<br>Us, at 60 Hz<br>2.1 W, Dual-frequency coil<br>in a cold state and 1.0 x Us                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>TERMINAL CAPACITY<br/>(STRANDED)</b>                             | 1 x 16 mm <sup>2</sup> , Main cables                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>SWITCHING CAPACITY<br/>(AUXILIARY CONTACTS,<br/>GENERAL USE)</b> | 10 A, 600 V AC, (UL/CSA)<br>1 A, 250 V DC, (UL/CSA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>SWITCHING CAPACITY<br/>(AUXILIARY CONTACTS,<br/>PILOT DUTY)</b>  | A600, AC operated<br>(UL/CSA)<br>P300, DC operated<br>(UL/CSA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>TERMINAL CAPACITY<br/>(FLEXIBLE WITH<br/>FERRULE)</b>            | 1 x (0.75 - 16) mm <sup>2</sup> , Main<br>cables<br>2 x (0.75 - 2.5) mm <sup>2</sup> ,<br>Control circuit cables<br>1 x (0.75 - 2.5) mm <sup>2</sup> ,<br>Control circuit cables<br>2 x (0.75 - 10) mm <sup>2</sup> , Main<br>cables                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>SHOCK RESISTANCE</b>                                             | 5.3 g, N/O auxiliary<br>contact, Mechanical,<br>according to IEC/EN<br>60068-2-27 when tabletop-<br>mounted, Half-sinusoidal<br>shock 10 ms<br>3.5 g, N/C auxiliary<br>contact, Mechanical,<br>according to IEC/EN<br>60068-2-27 when tabletop-<br>mounted, Half-sinusoidal<br>shock 10 ms<br>10 g, N/O main contact,<br>Mechanical, according to<br>IEC/EN 60068-2-27, Half-<br>sinusoidal shock 10 ms<br>6.9 g, N/O main contact,<br>Mechanical, according to<br>IEC/EN 60068-2-27 when<br>tabletop-mounted, Half-<br>sinusoidal shock 10 ms<br>7 g, N/O auxiliary contact,<br>Mechanical, according to<br>IEC/EN 60068-2-27, Half-<br>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                                                                                                                                                |
| <b>TERMINAL CAPACITY (SOLID)</b>                                   | 1 x (0.75 - 16) mm <sup>2</sup> , Main cables<br>1 x (0.75 - 4) mm <sup>2</sup> , Control circuit cables<br>2 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables<br>2 x (0.75 - 10) mm <sup>2</sup> , Main cables |
| <b>TERMINAL CAPACITY (SOLID/STRANDED AWG)</b>                      | Single 18 - 6, double 18 - 8, Main cables<br>18 - 14, Control circuit cables                                                                                                                                           |
| <b>SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)</b>             | 40 A, Maximum motor rating (UL/CSA)                                                                                                                                                                                    |
| <b>TIGHTENING TORQUE</b>                                           | 1.2 Nm, Screw terminals, Control circuit cables<br>3.2 Nm, Screw terminals, Main cables                                                                                                                                |
| <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> | 384 A                                                                                                                                                                                                                  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V</b> | 45 A                                                                                                                                                                                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V</b> | 38 A                                                                                                                                                                                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b> | 38 A                                                                                                                                                                                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V</b>               | 38 A                                                                                                                                                                                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>               | 38 A                                                                                                                                                                                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3,</b>                     | 22.5 A                                                                                                                                                                                                                 |



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| <b>660 V, 690 V</b>                                                  |         |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V</b>   | 15 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V</b>                 | 15 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V</b>                 | 15 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V</b>                 | 15 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V</b>          | 12 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V</b>                 | 40 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V</b>                 | 40 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V</b>                  | 40 A    |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 38 A    |
| <b>RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ</b>                 | 12 kW   |
| <b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>             | 18.5 kW |
| <b>RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ</b>                 | 20 kW   |
| <b>RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ</b>             | 4 kW    |
| <b>RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ</b>                 | 4.5 kW  |
| <b>RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ</b>             | 7 kW    |
| <b>RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ</b>                 | 7.5 kW  |
| <b>RATED OPERATIONAL</b>                                             | 8 kW    |

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| <b>POWER AT AC-4, 440 V, 50 HZ</b>                                      |                                                                                                                                        |
| <b>RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ</b>                    | 9 kW                                                                                                                                   |
| <b>RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ</b>                | 10 kW                                                                                                                                  |
| <b>RATED OPERATIONAL POWER (NEMA)</b>                                   | 14.9 kW                                                                                                                                |
| <b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>                       | 690 V                                                                                                                                  |
| <b>RESISTANCE PER POLE</b>                                              | 2.7 mΩ                                                                                                                                 |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>               | 2.1 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> | 22 ms                                                                                                                                  |
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN</b> | 16 ms                                                                                                                                  |
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX</b> | 14 ms                                                                                                                                  |
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN</b> | 8 ms                                                                                                                                   |
| <b>SHORT-CIRCUIT CURRENT RATING (BASIC RATING)</b>                      | 5 kA, SCCR (UL/CSA)<br>125 A, max. Fuse, SCCR (UL/CSA)<br>125 A, max. CB, SCCR (UL/CSA)                                                |
| <b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)</b>               | 50/32 A, max. CB, SCCR (UL/CSA)<br>125/70 A, Class J, max. Fuse, SCCR (UL/CSA)<br>10/100 kA, Fuse, SCCR (UL/CSA)<br>10/65 kA, CB, SCCR |

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|                                                                       | (UL/CSA)                                                                                                                                                                                                                                                                                             |
| <b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)</b>             | 50/32 A, max. CB, SCCR (UL/CSA)<br>10/100 kA, Fuse, SCCR (UL/CSA)<br>10/22 kA, CB, SCCR (UL/CSA)<br>125/125 A, Class J, max. Fuse, SCCR (UL/CSA)                                                                                                                                                     |
| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V</b> | 125 A gG/gL                                                                                                                                                                                                                                                                                          |
| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V</b> | 63 A gG/gL                                                                                                                                                                                                                                                                                           |
| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V</b> | 63 A gG/gL                                                                                                                                                                                                                                                                                           |
| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V</b> | 35 A gG/gL                                                                                                                                                                                                                                                                                           |
| <b>SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS</b>   | 40 A (600V 60Hz 3phase, 347V 60Hz 1phase)<br>40 A (480V 60Hz 3phase, 277V 60Hz 1phase)                                                                                                                                                                                                               |
| <b>SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING</b>              | 32 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)<br>192 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>                     | 7.5 HP, 200 V 60 Hz 3-ph, (UL/CSA)<br>22 A, 600 V 60 Hz 3-ph, (UL/CSA)<br>27 A, 480 V 60 Hz 3-ph, (UL/CSA)<br>25.3 A, 200 V 60 Hz 3-ph, (UL/CSA)<br>20 HP, 600 V 60 Hz 3-ph, (UL/CSA)<br>22 A, 240 V 60 Hz 3-ph, (UL/CSA)<br>20 HP, 480 V 60 Hz 3-ph, (UL/CSA)<br>7.5 HP, 240 V 60 Hz 3-ph, (UL/CSA) |
| <b>SPECIAL PURPOSE RATING OF</b>                                      | 40 A, FLA 480 V 60 Hz 3phase; (CSA)                                                                                                                                                                                                                                                                  |

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| <b>REFRIGERATION<br/>CONTROL (CSA ONLY)</b>                            | 180 A, LRA 600 V 60 Hz<br>3phase; (CSA)<br>30 A, FLA 600 V 60 Hz<br>3phase; (CSA)<br>240 A, LRA 480 V 60 Hz<br>3phase; (CSA) |
| <b>SPECIAL PURPOSE<br/>RATING OF RESISTANCE<br/>AIR HEATING</b>        | 40 A, 600 V 60 Hz 3phase,<br>347 V 60 Hz 1phase,<br>(UL/CSA)<br>40 A, 480 V 60 Hz 3phase,<br>277 V 60 Hz 1phase,<br>(UL/CSA) |
| <b>SPECIAL PURPOSE<br/>RATING OF TUNGSTEN<br/>INCANDESCENT LAMPS</b>   | 40 A, 600 V 60 Hz 3phase,<br>347 V 60 Hz 1phase,<br>(UL/CSA)<br>40 A, 480 V 60 Hz 3phase,<br>277 V 60 Hz 1phase,<br>(UL/CSA) |
| <b>OPERATING<br/>TEMPERATURE</b>                                       | -25° to 60°C                                                                                                                 |
| <b>CONVENTIONAL<br/>THERMAL CURRENT ITH<br/>AT 40°C (3-POLE, OPEN)</b> | 45 A                                                                                                                         |
| <b>CONVENTIONAL<br/>THERMAL CURRENT ITH<br/>AT 50°C (3-POLE, OPEN)</b> | 43 A                                                                                                                         |
| <b>CONVENTIONAL<br/>THERMAL CURRENT ITH<br/>AT 60°C (3-POLE, OPEN)</b> | 40 A                                                                                                                         |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 440 V, 50<br/>HZ</b>           | 21 kW                                                                                                                        |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 500 V, 50<br/>HZ</b>           | 24 kW                                                                                                                        |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 690 V, 50<br/>HZ</b>           | 21 kW                                                                                                                        |
| <b>ACTUATING VOLTAGE</b>                                               | 220 V 50/60 Hz                                                                                                               |
| <b>ALTITUDE</b>                                                        | Max. 2000 m                                                                                                                  |
| <b>OPERATING VOLTAGE AT<br/>AC, 50 HZ - MIN</b>                        | 24 V                                                                                                                         |
| <b>OPERATING VOLTAGE AT<br/>AC, 50 HZ - MAX</b>                        | 690 V                                                                                                                        |
| <b>OPERATING VOLTAGE AT<br/>AC, 60 HZ - MIN</b>                        | 24 V                                                                                                                         |
| <b>OPERATING VOLTAGE AT<br/>AC, 60 HZ - MAX</b>                        | 690 V                                                                                                                        |

|                 |
|-----------------|
| PROJECT NAME:   |
| PROJECT NUMBER: |
| PREPARED BY:    |
| :               |



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