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## Eaton 276697

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 4 kW, 1 N/O, 220 V 50/60 Hz, AC operation, Screw terminals

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| <b>PRODUCT NAME</b>         | Eaton Moeller® series<br>DILM contactor                                                                                                                                                                                                    |
| <b>CATALOG NUMBER</b>       | 276697                                                                                                                                                                                                                                     |
| <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>       | IEC/EN 60947<br>IEC/EN 60947-4-1<br>UL File No.: E29096<br>UL Category Control No.:<br>NLDX<br>UL<br>CSA<br>CSA File No.: 012528<br>VDE 0660<br>CSA-C22.2 No. 60947-4-1-<br>14<br>CSA Class No.: 2411-03,<br>3211-04<br>CE<br>UL 60947-4-1 |
| <b>CATALOG NOTES</b>        | Contacts according to EN<br>50012                                                                                                                                                                                                          |



Powering Business Worldwide

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

Screw connection

**NUMBER OF POLES**

Three-pole

**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.

**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.

## CHARACTERISTIC CURVE

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

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

DECLARATIONS OF  
CONFORMITY

[eaton-contactor-declaration-of-conformity-uk251209en.pdf](#)

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[eaton-contactors-dila-dilm7-15-dilmp20-il03407013z.pdf](#)

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

[eaton-contactors-module-dilm-dimensions.eps](#)

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[eaton-contactors-module-dilm-dimensions-002.eps](#)

[eaton-contactors-frame-dilm-dimensions.eps](#)

[eaton-contactors-dilm-3d-drawing-007.eps](#)

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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, 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-1: Non-inductive or slightly inductive loads, resistance furnaces<br>AC-3: Normal AC induction motors: starting, switch off during running<br>AC-4: Normal AC induction motors: starting, plugging, reversing, inching |
| <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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| <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>                | 0.5 HP                  |
| <b>ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE</b>                | 3 HP                    |
| <b>ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE</b>                | 1.5 HP                  |
| <b>ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE</b>                | 3 HP                    |
| <b>ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE</b>                | 5 HP                    |
| <b>ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE</b>                | 7.5 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>                | 0.2 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>                                        | 2, Terminal screw, Pozidriv screwdriver<br>0.8 x 5.5/1 x 6 mm,<br>Terminal screw, Standard 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>                    | 90 A                                                                                                   |
| <b>RATED BREAKING CAPACITY AT 380/400 V</b>                    | 90 A                                                                                                   |
| <b>RATED BREAKING CAPACITY AT 500 V</b>                        | 70 A                                                                                                   |
| <b>RATED BREAKING CAPACITY AT 660/690 V</b>                    | 50 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>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>                                 | 7,000,000 Operations (Coil 50/60 Hz)<br>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>                    | 25 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub><br><br>27 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub>                                                                                                                                                                           |
| <b>SAFE ISOLATION</b>                                       | 400 V AC, Between coil and contacts, According to EN 61140<br>400 V AC, Between the contacts, According to EN 61140                                                                                                                                                                                                      |
| <b>POWER CONSUMPTION, PICK-UP, 60 HZ</b>                    | 25 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub><br><br>27 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub>                                                                                                                                                                           |
| <b>SCREW SIZE</b>                                           | M3.5, Terminal screw                                                                                                                                                                                                                                                                                                     |
| <b>POWER CONSUMPTION, SEALING, 50 HZ</b>                    | 1.2 W, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub><br><br>1.4 W, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub>                                                                                                                                                                           |
| <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><br><br>1.2 W, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub><br><br>4.2 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 60 Hz<br>3.3 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>  | A600, AC operated (UL/CSA)<br>P300, DC operated (UL/CSA)                                                                                                                                                                                                                                                                 |
| <b>TERMINAL CAPACITY (FLEXIBLE WITH</b>                     | 2 x (0.75 - 2,5) mm <sup>2</sup><br>1 x (0.75 - 2.5) mm <sup>2</sup>                                                                                                                                                                                                                                                     |

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| <b>FERRULE)</b>                                                    | 2 x (0.75 - 2.5) mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>SHOCK RESISTANCE</b>                                            | <p>3.4 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms</p> <p>3.4 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms</p> <p>10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms</p> <p>7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms</p> <p>5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms</p> <p>5.7 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms</p> |
| <b>TERMINAL CAPACITY (SOLID)</b>                                   | <p>2 x (0.75 - 2.5) mm<sup>2</sup></p> <p>1 x (0.75 - 4) mm<sup>2</sup></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <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,</b>                     | 9 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| <b>220 V, 230 V, 240 V</b>                                           |        |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b>   | 9 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V</b>                 | 9 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>                 | 7 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V</b>          | 5 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V</b>   | 6 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V</b>                 | 6 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V</b>                 | 6 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V</b>                 | 5 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V</b>          | 4.5 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> | 9 A    |
| <b>RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ</b>                 | 3 kW   |
| <b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>             | 4 kW   |
| <b>RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ</b>                 | 5.5 kW |
| <b>RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ</b>             | 1.5 kW |

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| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 240 V, 50<br/>HZ</b>                        | 1.6 kW                                                                         |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 380/400<br/>V, 50 HZ</b>                    | 2.5 kW                                                                         |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 415 V, 50<br/>HZ</b>                        | 2.8 kW                                                                         |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 440 V, 50<br/>HZ</b>                        | 3 kW                                                                           |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 500 V, 50<br/>HZ</b>                        | 2.8 kW                                                                         |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 660/690<br/>V, 50 HZ</b>                    | 3.6 kW                                                                         |
| <b>RATED OPERATIONAL<br/>POWER (NEMA)</b>                                           | 3.7 kW                                                                         |
| <b>RATED OPERATIONAL<br/>VOLTAGE (UE) AT AC -<br/>MAX</b>                           | 690 V                                                                          |
| <b>RESISTANCE PER POLE</b>                                                          | 2.5 mΩ                                                                         |
| <b>STATIC HEAT<br/>DISSIPATION, NON-<br/>CURRENT-DEPENDENT<br/>PVS</b>              | 1.4 W                                                                          |
| <b>STRIPPING LENGTH<br/>(CONTROL CIRCUIT<br/>CABLE)</b>                             | 10 mm                                                                          |
| <b>STRIPPING LENGTH<br/>(MAIN CABLE)</b>                                            | 10 mm                                                                          |
| <b>SWITCHING TIME (AC<br/>OPERATED, MAKE<br/>CONTACTS, CLOSING<br/>DELAY) - MAX</b> | 21 ms                                                                          |
| <b>SWITCHING TIME (AC<br/>OPERATED, MAKE<br/>CONTACTS, CLOSING<br/>DELAY) - MIN</b> | 15 ms                                                                          |
| <b>SWITCHING TIME (AC<br/>OPERATED, MAKE<br/>CONTACTS, OPENING<br/>DELAY) - MAX</b> | 18 ms                                                                          |
| <b>SWITCHING TIME (AC<br/>OPERATED, MAKE<br/>CONTACTS, OPENING<br/>DELAY) - MIN</b> | 9 ms                                                                           |
| <b>SHORT-CIRCUIT CURRENT<br/>RATING (BASIC RATING)</b>                              | 5 kA, 30 A max. fuse, SCCR<br>(UL/CSA)<br>5 kA, 30 A max. CB, SCCR<br>(UL/CSA) |

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| <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 PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V</b> | 35 A gG/gL                                                                                                                                                                                                                                                                                       |
| <b>SUITABLE FOR</b>                                                   | Also motors with efficiency class IE3                                                                                                                                                                                                                                                            |
| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V</b> | 20 A gG/gL                                                                                                                                                                                                                                                                                       |
| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V</b> | 20 A gG/gL                                                                                                                                                                                                                                                                                       |
| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V</b> | 16 A gG/gL                                                                                                                                                                                                                                                                                       |
| <b>SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS</b>   | 18 A (480V 60Hz 3phase, 277V 60Hz 1phase)<br>18 A (600V 60Hz 3phase, 347V 60Hz 1phase)                                                                                                                                                                                                           |
| <b>SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING</b>              | 54 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)<br>9 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)                                                                                                                                                      |
| <b>SPECIAL PURPOSE RATING OF ELEVATOR CONTROL</b>                     | 6.1 A, 600 V 60 Hz 3-ph, (UL/CSA)<br>2 HP, 200 V 60 Hz 3-ph, (UL/CSA)<br>4.8 A, 480 V 60 Hz 3-ph, (UL/CSA)<br>5 HP, 600 V 60 Hz 3-ph, (UL/CSA)<br>2 HP, 240 V 60 Hz 3-ph, (UL/CSA)<br>7.8 A, 200 V 60 Hz 3-ph, (UL/CSA)<br>6.8 A, 240 V 60 Hz 3-ph, (UL/CSA)<br>3 HP, 480 V 60 Hz 3-ph, (UL/CSA) |
| <b>SPECIAL PURPOSE RATING OF</b>                                      | 10 A, FLA 480 V 60 Hz 3phase; (CSA)                                                                                                                                                                                                                                                              |

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| <b>REFRIGERATION<br/>CONTROL (CSA ONLY)</b>                            | 60 A, LRA 480 V 60 Hz<br>3phase; (CSA)<br>60 A, LRA 600 V 60 Hz<br>3phase; (CSA)<br>10 A, FLA 600 V 60 Hz<br>3phase; (CSA)   |
| <b>SPECIAL PURPOSE<br/>RATING OF RESISTANCE<br/>AIR HEATING</b>        | 18 A, 480 V 60 Hz 3phase,<br>277 V 60 Hz 1phase,<br>(UL/CSA)<br>18 A, 600 V 60 Hz 3phase,<br>347 V 60 Hz 1phase,<br>(UL/CSA) |
| <b>SPECIAL PURPOSE<br/>RATING OF TUNGSTEN<br/>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<br/>THERMAL CURRENT ITH<br/>AT 40°C (3-POLE, OPEN)</b> | 22 A                                                                                                                         |
| <b>CONVENTIONAL<br/>THERMAL CURRENT ITH<br/>AT 50°C (3-POLE, OPEN)</b> | 21 A                                                                                                                         |
| <b>CONVENTIONAL<br/>THERMAL CURRENT ITH<br/>AT 60°C (3-POLE, OPEN)</b> | 20 A                                                                                                                         |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 440 V, 50<br/>HZ</b>           | 5.5 kW                                                                                                                       |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 500 V, 50<br/>HZ</b>           | 4.5 kW                                                                                                                       |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 690 V, 50<br/>HZ</b>           | 4.5 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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