

# Specifications

Photo is representative

## Eaton 277370

Eaton Moeller® series DILM Contactor, 380 V 400 V 15 kW, 3 N/O, 2 NC, RDC 24: 24 - 27 V DC, DC operation, Screw terminals

### General specifications

|                             |                                                                                                                                                                                                                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series<br>DILM contactor                                                                                                                                                                                                                                                                                  |
| <b>CATALOG NUMBER</b>       | 277370                                                                                                                                                                                                                                                                                                                   |
| <b>MODEL CODE</b>           | DILM32-32(RDC24)                                                                                                                                                                                                                                                                                                         |
| <b>EAN</b>                  | 4015082773700                                                                                                                                                                                                                                                                                                            |
| <b>PRODUCT LENGTH/DEPTH</b> | 138 mm                                                                                                                                                                                                                                                                                                                   |
| <b>PRODUCT HEIGHT</b>       | 85 mm                                                                                                                                                                                                                                                                                                                    |
| <b>PRODUCT WIDTH</b>        | 45 mm                                                                                                                                                                                                                                                                                                                    |
| <b>PRODUCT WEIGHT</b>       | 0.603 kg                                                                                                                                                                                                                                                                                                                 |
| <b>COMPLIANCES</b>          | CE Marked                                                                                                                                                                                                                                                                                                                |
| <b>CERTIFICATIONS</b>       | IEC 60947-4-1<br>UL 508<br>EN 60947-4-1<br>CSA Std. C22.2 No. 14-05<br>VDE<br>CE<br>CSA File No.: 012528<br>UL Category Control No.:<br>NLDX<br>CSA<br>VDE 0660<br>IEC/EN 60947-4-1<br>UL 60947-4-1<br>CSA Class No.: 2411-03,<br>3211-04<br>CSA-C22.2 No. 60947-4-1-<br>14<br>UL File No.: E29096<br>IEC/EN 60947<br>UL |
| <b>CATALOG NOTES</b>        | Contacts according to EN<br>50012                                                                                                                                                                                                                                                                                        |
| <b>GLOBAL CATALOG</b>       | 277370                                                                                                                                                                                                                                                                                                                   |

## Product specifications

### ELECTRICAL

#### CONNECTION TYPE FOR AUXILIARY- AND CONTROL-CURRENT CIRCUIT

Screw connection

#### AMPERAGE RATING

32A

#### NUMBER OF POLES

Three-pole

#### VOLTAGE RATING

24-27 Vdc

#### 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

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf](#)

### CATALOGS

[Product Range Catalog Switching and protecting motors](#)

[SmartWire-DT Catalog](#)

### CHARACTERISTIC CURVE

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

[eaton-contactors-component-dilm-characteristic-curve-003.eps](#)

[eaton-contactors-short-time-loading-dilm-characteristic-curve.eps](#)

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

### DECLARATIONS OF CONFORMITY

[DA-DC-00004816.pdf](#)

[DA-DC-00004783.pdf](#)

### DRAWINGS

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

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

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

[eaton-contactors-contact-dimensions-210x202.eps](#)

[eaton-contactors-contact-dilm-3d-drawing-002.eps](#)

[eaton-general-ie-ready-dilm-contactor-standards.eps](#)

### ECAD MODEL

[ETN.277370.edz](#)

### INSTALLATION INSTRUCTIONS

[IL03407044Z](#)

### INSTALLATION VIDEOS

[WIN-WIN with push-in technology](#)

### MCAD MODEL

[DA-CD-dil m17 38 a xhi](#)

|                                                                 |                                                                                                                                                                            |
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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>FITTED WITH:</b>                                             | Mirror contact<br>Suppressor circuit in actuating electronics                                                                                                              |
| <b>OPERATING FREQUENCY</b>                                      | 5000 mechanical<br>Operations/h (DC operated)                                                                                                                              |
| <b>POLLUTION DEGREE</b>                                         | 3                                                                                                                                                                          |
| <b>CLIMATIC PROOFING</b>                                        | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30                                                                                             |
| <b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>                   | 8000 V AC                                                                                                                                                                  |
| <b>UTILIZATION CATEGORY</b>                                     | AC-3: Normal AC induction motors: starting, switch off during running<br>AC-1: Non-inductive or slightly inductive loads, resistance furnaces<br>AC-4: Normal AC induction |

|                        |                                        |
|------------------------|----------------------------------------|
|                        | <a href="#">DA-CS-dil_m17_38_a_xhi</a> |
| <b>WIRING DIAGRAMS</b> | <a href="#">2100SWI-128</a>            |

|                                                                                      |                                                   |
|--------------------------------------------------------------------------------------|---------------------------------------------------|
|                                                                                      | motors: starting, plugging,<br>reversing, inching |
| <b>CONNECTION</b>                                                                    | Screw terminals                                   |
| <b>AMBIENT OPERATING<br/>TEMPERATURE - MAX</b>                                       | 60 °C                                             |
| <b>AMBIENT OPERATING<br/>TEMPERATURE - MIN</b>                                       | -25 °C                                            |
| <b>AMBIENT OPERATING<br/>TEMPERATURE<br/>(ENCLOSED) - MAX</b>                        | 40 °C                                             |
| <b>AMBIENT OPERATING<br/>TEMPERATURE<br/>(ENCLOSED) - MIN</b>                        | 25 °C                                             |
| <b>AMBIENT STORAGE<br/>TEMPERATURE - MAX</b>                                         | 80 °C                                             |
| <b>AMBIENT STORAGE<br/>TEMPERATURE - MIN</b>                                         | 40 °C                                             |
| <b>ASSIGNED MOTOR<br/>POWER AT 115/120 V, 60<br/>HZ, 1-PHASE</b>                     | 2 HP                                              |
| <b>ASSIGNED MOTOR<br/>POWER AT 200/208 V, 60<br/>HZ, 3-PHASE</b>                     | 10 HP                                             |
| <b>ASSIGNED MOTOR<br/>POWER AT 230/240 V, 60<br/>HZ, 1-PHASE</b>                     | 5 HP                                              |
| <b>ASSIGNED MOTOR<br/>POWER AT 230/240 V, 60<br/>HZ, 3-PHASE</b>                     | 10 HP                                             |
| <b>ASSIGNED MOTOR<br/>POWER AT 460/480 V, 60<br/>HZ, 3-PHASE</b>                     | 20 HP                                             |
| <b>ASSIGNED MOTOR<br/>POWER AT 575/600 V, 60<br/>HZ, 3-PHASE</b>                     | 25 HP                                             |
| <b>CONVENTIONAL<br/>THERMAL CURRENT ITH<br/>(1-POLE, ENCLOSED)</b>                   | 90 A                                              |
| <b>CONVENTIONAL<br/>THERMAL CURRENT ITH<br/>(3-POLE, ENCLOSED)</b>                   | 36 A                                              |
| <b>CONVENTIONAL<br/>THERMAL CURRENT ITH<br/>AT 55°C (3-POLE, OPEN)</b>               | 42 A                                              |
| <b>CONVENTIONAL<br/>THERMAL CURRENT ITH<br/>OF MAIN CONTACTS (1-<br/>POLE, OPEN)</b> | 100 A                                             |
| <b>EQUIPMENT HEAT</b>                                                                | 6.6 W                                             |

|                                                                         |                                                                                                      |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| <b>DISSIPATION, CURRENT-DEPENDENT PVID</b>                              |                                                                                                      |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                                  | 0 W                                                                                                  |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>                | 2.2 W                                                                                                |
| <b>SWITCHING TIME (DC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX</b> | 47 ms                                                                                                |
| <b>SWITCHING TIME (DC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX</b> | 30 ms                                                                                                |
| <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>                                                 | 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver<br>2, Terminal screw, Pozidriv screwdriver  |
| <b>VOLTAGE TYPE</b>                                                     | DC                                                                                                   |
| <b>DEGREE OF PROTECTION</b>                                             | IP00                                                                                                 |
| <b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b>          | 2                                                                                                    |
| <b>NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)</b>            | 3                                                                                                    |
| <b>NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)</b>                    | 2                                                                                                    |
| <b>NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT</b>             | 0                                                                                                    |
| <b>NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)</b>                      | 3                                                                                                    |
| <b>NUMBER OF MAIN</b>                                                   | 3                                                                                                    |

|                                                             |                                                                                                       |
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| <b>CONTACTS (NORMALLY OPEN CONTACT)</b>                     |                                                                                                       |
| <b>OPERATING TEMPERATURE - MAX</b>                          | 60 °C                                                                                                 |
| <b>OPERATING TEMPERATURE - MIN</b>                          | -25 °C                                                                                                |
| <b>POWER CONSUMPTION (PICK-UP) AT DC</b>                    | 12 W                                                                                                  |
| <b>POWER CONSUMPTION (SEALING) AT DC</b>                    | 0.9 W                                                                                                 |
| <b>RATED BREAKING CAPACITY AT 220/230 V</b>                 | 320 A                                                                                                 |
| <b>RATED BREAKING CAPACITY AT 380/400 V</b>                 | 320 A                                                                                                 |
| <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> | 0 V                                                                                                   |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b> | 0 V                                                                                                   |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b> | 0 V                                                                                                   |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b> | 0 V                                                                                                   |
| <b>CONTACT CONFIGURATION</b>                                | 3 NO, 2 NC                                                                                            |
| <b>DROP-OUT VOLTAGE</b>                                     | At least smoothed two-phase bridge rectifier or three-phase rectifier<br>0.6 - 0.15 x UC, DC 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 (DC operated)<br>7,000,000 Operations (Coil 50/60 Hz)                           |
| <b>PICK-UP VOLTAGE</b>                                      | 24 - 27 V DC (RDC 24)                                                                                 |

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|                                                             | 0.7 - 1.2 V DC x U <sub>c</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <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>SCREW SIZE</b>                                           | M3.5, Terminal screw, Control circuit cables<br>M5, Terminal screw, Main cables                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>TERMINAL CAPACITY (STRANDED)</b>                         | 1 x 16 mm <sup>2</sup> , Main cables                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)</b> | 1 A, 250 V DC, (UL/CSA)<br>10 A, 600 V AC, (UL/CSA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)</b>  | P300, DC operated (UL/CSA)<br>A600, AC operated (UL/CSA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)</b>            | 1 x (0.75 - 16) mm <sup>2</sup> , Main 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<br>1 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>SHOCK RESISTANCE</b>                                     | 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, 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>3.5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms<br>6.9 g, N/O main contact, Mechanical, according to |

|                                                                    |                                                                                                                                                                                                                          |
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|                                                                    | IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms                                                                                                                                                     |
| <b>TERMINAL CAPACITY (SOLID)</b>                                   | 2 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables<br>1 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables<br>2 x (0.75 - 10) mm <sup>2</sup> , Main cables<br>1 x (0.75 - 16) 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>                                           | 3.2 Nm, Screw terminals, Main cables<br>1.2 Nm, Screw terminals, Control circuit cables                                                                                                                                  |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX</b>               | 27 V                                                                                                                                                                                                                     |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN</b>               | 24 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> | 32 A                                                                                                                                                                                                                     |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b> | 32 A                                                                                                                                                                                                                     |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V</b>               | 32 A                                                                                                                                                                                                                     |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>               | 32 A                                                                                                                                                                                                                     |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3,</b>                     | 18 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> | 32 A   |
| <b>RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ</b>                 | 11 kW  |
| <b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>             | 15 kW  |
| <b>RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ</b>                 | 19 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>             | 0.9 W                                                                                                                                            |
| <b>STRIPPING LENGTH (CONTROL CIRCUIT CABLE)</b>                       | 10 mm                                                                                                                                            |
| <b>STRIPPING LENGTH (MAIN CABLE)</b>                                  | 10 mm                                                                                                                                            |
| <b>SHORT-CIRCUIT CURRENT RATING (BASIC RATING)</b>                    | 125 A, max. Fuse, SCCR (UL/CSA)<br>5 kA, SCCR (UL/CSA)<br>125 A, max. CB, SCCR (UL/CSA)                                                          |
| <b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)</b>             | 10/100 kA, Fuse, SCCR (UL/CSA)<br>125/70 A, Class J, max. Fuse, SCCR (UL/CSA)<br>10/65 kA, CB, SCCR (UL/CSA)<br>50/32 A, max. CB, SCCR (UL/CSA)  |
| <b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)</b>             | 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)<br>50/32 A, max. CB, SCCR (UL/CSA) |
| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V</b> | 125 A gG/gL                                                                                                                                      |
| <b>SUITABLE FOR</b>                                                   | Also motors with efficiency class IE3                                                                                                            |
| <b>SHORT-CIRCUIT</b>                                                  | 63 A gG/gL                                                                                                                                       |

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| <b>PROTECTION RATING<br/>(TYPE 1 COORDINATION)<br/>AT 690 V</b>                   |                                                                                                                                                                                                                                                                                                                              |
| <b>SHORT-CIRCUIT<br/>PROTECTION RATING<br/>(TYPE 2 COORDINATION)<br/>AT 400 V</b> | 63 A gG/gL                                                                                                                                                                                                                                                                                                                   |
| <b>SHORT-CIRCUIT<br/>PROTECTION RATING<br/>(TYPE 2 COORDINATION)<br/>AT 690 V</b> | 35 A gG/gL                                                                                                                                                                                                                                                                                                                   |
| <b>SPECIAL PURPOSE<br/>RATING OF BALLAST<br/>ELECTRICAL DISCHARGE<br/>LAMPS</b>   | 40 A (480V 60Hz 3phase,<br>277V 60Hz 1phase)<br>40 A (600V 60Hz 3phase,<br>347V 60Hz 1phase)                                                                                                                                                                                                                                 |
| <b>SPECIAL PURPOSE<br/>RATING OF DEFINITE<br/>PURPOSE RATING</b>                  | 32 A, FLA 480 V 60 Hz 3-<br>ph, 100,000 cycles acc. to<br>UL 1995, (UL/CSA)<br>192 A, LRA 480 V 60 Hz 3-<br>ph, 100,000 cycles acc. to<br>UL 1995, (UL/CSA)                                                                                                                                                                  |
| <b>SPECIAL PURPOSE<br/>RATING OF ELEVATOR<br/>CONTROL</b>                         | 27 A, 480 V 60 Hz 3-ph,<br>(UL/CSA)<br>20 HP, 600 V 60 Hz 3-ph,<br>(UL/CSA)<br>20 HP, 480 V 60 Hz 3-ph,<br>(UL/CSA)<br>7.5 HP, 240 V 60 Hz 3-ph,<br>(UL/CSA)<br>25.3 A, 200 V 60 Hz 3-ph,<br>(UL/CSA)<br>22 A, 240 V 60 Hz 3-ph,<br>(UL/CSA)<br>7.5 HP, 200 V 60 Hz 3-ph,<br>(UL/CSA)<br>22 A, 600 V 60 Hz 3-ph,<br>(UL/CSA) |
| <b>SPECIAL PURPOSE<br/>RATING OF<br/>REFRIGERATION<br/>CONTROL (CSA ONLY)</b>     | 30 A, FLA 600 V 60 Hz<br>3phase; (CSA)<br>240 A, LRA 480 V 60 Hz<br>3phase; (CSA)<br>180 A, LRA 600 V 60 Hz<br>3phase; (CSA)<br>40 A, FLA 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</b>                                     | 40 A, 600 V 60 Hz 3phase,<br>347 V 60 Hz 1phase,                                                                                                                                                                                                                                                                             |

|                                                                |                                                                          |
|----------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>INCANDESCENT LAMPS</b>                                      | (UL/CSA)<br>40 A, 480 V 60 Hz 3phase,<br>277 V 60 Hz 1phase,<br>(UL/CSA) |
| <b>OPERATING TEMPERATURE</b>                                   | -25° to 60°C                                                             |
| <b>CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN)</b> | 45 A                                                                     |
| <b>CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN)</b> | 43 A                                                                     |
| <b>CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)</b> | 40 A                                                                     |
| <b>RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ</b>           | 20 kW                                                                    |
| <b>RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ</b>           | 23 kW                                                                    |
| <b>RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ</b>           | 17 kW                                                                    |
| <b>ACTUATING VOLTAGE</b>                                       | RDC 24: 24 - 27 V DC                                                     |
| <b>ALTITUDE</b>                                                | Max. 2000 m                                                              |
| <b>OPERATING VOLTAGE AT AC, 50 HZ - MIN</b>                    | 24 V                                                                     |
| <b>OPERATING VOLTAGE AT AC, 50 HZ - MAX</b>                    | 690 V                                                                    |
| <b>OPERATING VOLTAGE AT AC, 60 HZ - MIN</b>                    | 24 V                                                                     |
| <b>OPERATING VOLTAGE AT AC, 60 HZ - MAX</b>                    | 690 V                                                                    |

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|------------------------|
| <b>PROJECT NAME:</b>   |
| <b>PROJECT NUMBER:</b> |
| <b>PREPARED BY:</b>    |
| <b>DATE:</b>           |



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