

# Specifications



Photo is representative



## Eaton 277158

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 11 kW, 1 NC, 208 V 60 Hz, AC operation, Screw terminals

### General specifications

|                             |                                                                                                                                                                                                                     |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series DILM contactor                                                                                                                                                                                |
| <b>CATALOG NUMBER</b>       | 277158                                                                                                                                                                                                              |
| <b>MODEL CODE</b>           | DILM25-01(208V60HZ)                                                                                                                                                                                                 |
| <b>EAN</b>                  | 4015082771584                                                                                                                                                                                                       |
| <b>PRODUCT LENGTH/DEPTH</b> | 97 mm                                                                                                                                                                                                               |
| <b>PRODUCT HEIGHT</b>       | 85 mm                                                                                                                                                                                                               |
| <b>PRODUCT WIDTH</b>        | 45 mm                                                                                                                                                                                                               |
| <b>PRODUCT WEIGHT</b>       | 0.428 kg                                                                                                                                                                                                            |
| <b>CERTIFICATIONS</b>       | CSA Class No.: 2411-03, 3211-04<br>CSA-C22.2 No. 14-05<br>CE<br>UL<br>CSA<br>UL 508<br>IEC/EN 60947<br>UL File No.: E29096<br>IEC/EN 60947-4-1<br>UL Category Control No.: NLDX<br>CSA File No.: 012528<br>VDE 0660 |
| <b>CATALOG NOTES</b>        | Contacts according to EN 50012                                                                                                                                                                                      |
| <b>GLOBAL CATALOG</b>       | 277158                                                                                                                                                                                                              |

## Product specifications

### 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.

## Resources

### CATALOGS

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

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

[SmartWire-DT Catalog](#)

### CHARACTERISTIC CURVE

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

[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](#)

[eaton-contactor-declaration-of-conformity-eu250735en.pdf](#)

### DRAWINGS

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

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

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

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

[eaton-contactors-dilm-3d-drawing-009.eps](#)

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

### ECAD MODEL

[ETN.277158.edz](#)

### INSTALLATION INSTRUCTIONS

[IL03407014Z2021\\_09.pdf](#)

### INSTALLATION VIDEOS

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

### MCAD MODEL

[DA-CD-dil\\_m17\\_38](#)

[DA-CS-dil\\_m17\\_38](#)

|                                                                 |                                                                                                                                                                                                                           |
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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>FITTED WITH:</b>                                             | Mirror contact                                                                                                                                                                                                            |
| <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-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 motors: starting, plugging, reversing, inching |
| <b>CONNECTION</b>                                               | Screw terminals                                                                                                                                                                                                           |
| <b>FRAME SIZE</b>                                               | FS2                                                                                                                                                                                                                       |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>                      | 60 °C                                                                                                                                                                                                                     |
| <b>AMBIENT OPERATING</b>                                        | -25 °C                                                                                                                                                                                                                    |

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|------------------|---------------------------------------------------------------------|
| PEP ECO-PASSPORT | <a href="#">eaton-iec-contactors-pep-eato-00124-v0101-en.pdf</a>    |
| SYSTEM OVERVIEW  | <a href="#">eaton-contactors-dilm-contactor-system-overview.eps</a> |
| WIRING DIAGRAMS  | <a href="#">2100SWI-117</a>                                         |

|                                                                         |                       |
|-------------------------------------------------------------------------|-----------------------|
| <b>TEMPERATURE - MIN</b>                                                |                       |
| <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>                | 7.5 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>                | 15 HP                 |
| <b>ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE</b>                | 20 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                 |
| <b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>               | 4.2 W                 |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                                  | 0 W                   |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>                | 1.4 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>                                        | 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver<br>2, Terminal screw, Pozidriv screwdriver  |
| <b>VOLTAGE TYPE</b>                                            | AC                                                                                                   |
| <b>DEGREE OF PROTECTION</b>                                    | IP00                                                                                                 |
| <b>NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)</b> | 1                                                                                                    |
| <b>NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)</b>   | 0                                                                                                    |
| <b>NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)</b>           | 1                                                                                                    |
| <b>NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT</b>    | 0                                                                                                    |
| <b>NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)</b>         | 3                                                                                                    |
| <b>RATED BREAKING CAPACITY AT 220/230 V</b>                    | 250 A                                                                                                |
| <b>RATED BREAKING CAPACITY AT 380/400 V</b>                    | 250 A                                                                                                |
| <b>RATED BREAKING CAPACITY AT 500 V</b>                        | 250 A                                                                                                |
| <b>RATED BREAKING CAPACITY AT 660/690 V</b>                    | 150 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>    | 208 V                                                                                                |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b>    | 208 V                                                                                                |
| <b>DROP-OUT VOLTAGE</b>                                        | AC operated: 0.6 - 0.3 x                                                                             |

|                                                             |                                                                                                                                                                         |
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|                                                             | 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)                                                                                                                                     |
| <b>PICK-UP VOLTAGE</b>                                      | 0.8 - 1.1 V AC x U <sub>c</sub>                                                                                                                                         |
| <b>POWER CONSUMPTION, PICK-UP, 50 HZ</b>                    | 52 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 50 Hz                                                                                          |
| <b>SAFE ISOLATION</b>                                       | 440 V AC, Between the contacts, According to EN 61140<br>440 V AC, Between coil and contacts, According to EN 61140                                                     |
| <b>POWER CONSUMPTION, PICK-UP, 60 HZ</b>                    | 67 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 60 Hz                                                                                          |
| <b>SCREW SIZE</b>                                           | M5, Terminal screw, Main cables<br>M3.5, Terminal screw, Control circuit cables                                                                                         |
| <b>POWER CONSUMPTION, SEALING, 50 HZ</b>                    | 2.1 W, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 50 Hz<br>7.1 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 50 Hz       |
| <b>POWER CONSUMPTION, SEALING, 60 HZ</b>                    | 2.1 W, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 60 Hz<br>8.7 VA, Dual-frequency coil in a cold state and 1.0 x U <sub>s</sub> , at 60 Hz       |
| <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>            | 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>1 x (0.75 - 16) mm <sup>2</sup> , Main cables |

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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|                                                        | 2 x (0.75 - 10) mm <sup>2</sup> , Main cables                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>SHOCK RESISTANCE</b>                                | <p>7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms</p> <p>6.9 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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>3.5 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>5.3 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms</p> |
| <b>TERMINAL CAPACITY (SOLID)</b>                       | <p>1 x (0.75 - 4) mm<sup>2</sup>, Control circuit cables</p> <p>1 x (0.75 - 16) mm<sup>2</sup>, Main cables</p> <p>2 x (0.75 - 10) mm<sup>2</sup>, Main cables</p> <p>2 x (0.75 - 2.5) mm<sup>2</sup>, Control circuit cables</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>TERMINAL CAPACITY (SOLID/STRANDED AWG)</b>          | <p>Single 18 - 6, double 18 - 8, Main cables</p> <p>18 - 14, Control circuit cables</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)</b> | 40 A, Maximum motor rating (UL/CSA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>TIGHTENING TORQUE</b>                               | <p>1.2 Nm, Screw terminals, Control circuit cables</p> <p>3.2 Nm, Screw terminals, Main cables</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <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</b>                                | 690 V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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| <b>VOLTAGE (UI)</b>                                                  |        |
| <b>RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)</b>   | 350 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>   | 25 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b>   | 25 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V</b>                 | 25 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>                 | 25 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V</b>          | 15 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V</b>   | 13 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V</b>                 | 13 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V</b>                 | 13 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V</b>                 | 13 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V</b>          | 10 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> | 25 A   |
| <b>RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ</b>                 | 8.5 kW |

|                                                                                     |         |
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| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 380/400<br/>V, 50 HZ</b>                    | 11 kW   |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 415 V, 50<br/>HZ</b>                        | 14.5 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 220/230<br/>V, 50 HZ</b>                    | 3.5 kW  |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 240 V, 50<br/>HZ</b>                        | 4 kW    |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 380/400<br/>V, 50 HZ</b>                    | 6 kW    |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 415 V, 50<br/>HZ</b>                        | 6.5 kW  |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 440 V, 50<br/>HZ</b>                        | 7 kW    |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 500 V, 50<br/>HZ</b>                        | 8 kW    |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 660/690<br/>V, 50 HZ</b>                    | 8.5 kW  |
| <b>RATED OPERATIONAL<br/>POWER (NEMA)</b>                                           | 11 kW   |
| <b>RATED OPERATIONAL<br/>VOLTAGE (UE) AT AC -<br/>MAX</b>                           | 690 V   |
| <b>RESISTANCE PER POLE</b>                                                          | 2.7 mΩ  |
| <b>STATIC HEAT<br/>DISSIPATION, NON-<br/>CURRENT-DEPENDENT<br/>PVS</b>              | 2.1 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> | 22 ms   |
| <b>SWITCHING TIME (AC<br/>OPERATED, MAKE<br/>CONTACTS, CLOSING<br/>DELAY) - MIN</b> | 16 ms   |
| <b>SWITCHING TIME (AC<br/>OPERATED, MAKE<br/>CONTACTS, OPENING</b>                  | 14 ms   |

|                                                                         |                                                                                                                                                  |
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| <b>DELAY) - MAX</b>                                                     |                                                                                                                                                  |
| <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. CB, SCCR (UL/CSA)<br>125 A, max. Fuse, SCCR (UL/CSA)                                                          |
| <b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)</b>               | 50/32 A, max. CB, SCCR (UL/CSA)<br>10/65 kA, CB, SCCR (UL/CSA)<br>125/70 A, Class J, max. Fuse, SCCR (UL/CSA)<br>10/100 kA, Fuse, SCCR (UL/CSA)  |
| <b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)</b>               | 10/100 kA, Fuse, SCCR (UL/CSA)<br>125/100 A, Class J, max. Fuse, SCCR (UL/CSA)<br>10/22 kA, CB, SCCR (UL/CSA)<br>50/32 A, max. CB, SCCR (UL/CSA) |
| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V</b>   | 100 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>   | 50 A gG/gL                                                                                                                                       |
| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V</b>   | 35 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 (480V 60Hz 3phase, 277V 60Hz 1phase)<br>40 A (600V 60Hz 3phase, 347V 60Hz 1phase)                                                           |
| <b>SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING</b>                | 25 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)<br>150 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)    |
| <b>SPECIAL PURPOSE</b>                                                  | 5 HP, 240 V 60 Hz 3-ph,                                                                                                                          |

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| <b>RATING OF ELEVATOR CONTROL</b>                                 | (UL/CSA)<br>3 HP, 200 V 60 Hz 3-ph,<br>(UL/CSA)<br>17 A, 600 V 60 Hz 3-ph,<br>(UL/CSA)<br>10 HP, 480 V 60 Hz 3-ph,<br>(UL/CSA)<br>15.2 A, 240 V 60 Hz 3-ph,<br>(UL/CSA)<br>15 HP, 600 V 60 Hz 3-ph,<br>(UL/CSA)<br>14 A, 480 V 60 Hz 3-ph,<br>(UL/CSA)<br>11 A, 200 V 60 Hz 3-ph,<br>(UL/CSA) |
| <b>SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)</b> | 180 A, LRA 600 V 60 Hz 3phase; (CSA)<br>240 A, LRA 480 V 60 Hz 3phase; (CSA)<br>30 A, FLA 600 V 60 Hz 3phase; (CSA)<br>40 A, FLA 480 V 60 Hz 3phase; (CSA)                                                                                                                                    |
| <b>SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING</b>           | 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)<br>40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)                                                                                                                                                                              |
| <b>SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS</b>      | 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)<br>40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)                                                                                                                                                                              |
| <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>              | 15.5 kW                                                                                                                                                                                                                                                                                       |
| <b>RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ</b>              | 17.5 kW                                                                                                                                                                                                                                                                                       |
| <b>RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ</b>              | 14 kW                                                                                                                                                                                                                                                                                         |
| <b>ACTUATING VOLTAGE</b>                                          | 208 V 60 Hz                                                                                                                                                                                                                                                                                   |
| <b>ALTITUDE</b>                                                   | Max. 2000 m                                                                                                                                                                                                                                                                                   |

|                                         |       |
|-----------------------------------------|-------|
| OPERATING VOLTAGE AT<br>AC, 50 HZ - MIN | 24 V  |
| OPERATING VOLTAGE AT<br>AC, 50 HZ - MAX | 690 V |
| OPERATING VOLTAGE AT<br>AC, 60 HZ - MIN | 24 V  |
| OPERATING VOLTAGE AT<br>AC, 60 HZ - MAX | 690 V |

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



**Eaton Corporation plc**  
Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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