# Specifications



#### Photo is representative





## Eaton 277934

Eaton Moeller® series DILM Contactor, 380 V 400 V 30 kW, 2 N/O, 2 NC, 230 V 50/60 Hz, AC operation, Screw terminals

| General specifications  |   |
|-------------------------|---|
| PRODUCT NAME            | Eaton Moeller® series<br>DILM contactor   |
| CATALOG NUMBER          | 277934  |
| MODEL CODE              | DILM65-22(230V50/60HZ)  |
| EAN                     | 4015082779344   |
| PRODUCT<br>LENGTH/DEPTH | 147 mm  |
| PRODUCT HEIGHT          | 115 mm  |
| PRODUCT WIDTH           | 55 mm   |
| PRODUCT WEIGHT          | 0.922 kg  |
| CERTIFICATIONS          | UL Category Control No.:<br>NLDX<br>IEC/EN 60947<br>CSA-C22.2 No. 14-05<br>UL<br>CSA Class No.: 2411-03,<br>3211-04<br>IEC/EN 60947-4-1<br>VDE 0660<br>CSA File No.: 012528<br>UL File No.: E29096<br>CE<br>CSA<br>UL 508 |
| CATALOG NOTES           | Contacts according to EN 50012  |
| GLOBAL CATALOG          | 277934  |



## Product specifications

| ELECTRICAL<br>CONNECTION TYPE FOR<br>AUXILIARY- AND<br>CONTROL-CURRENT<br>CIRCUIT            | Screw connection  |
|--|---|
| NUMBER OF POLES  | Three-pole  |
| 10.10 TEMPERATURE RISE   | The panel builder is<br>responsible for the<br>temperature rise<br>calculation. Eaton will<br>provide heat dissipation<br>data for the devices. |
| 10.11 SHORT-CIRCUIT<br>RATING  | Is the panel builder's<br>responsibility. The<br>specifications for the<br>switchgear must be<br>observed.                                      |
| 10.12 ELECTROMAGNETIC<br>COMPATIBILITY   | Is the panel builder's<br>responsibility. The<br>specifications for the<br>switchgear must be<br>observed.                                      |
| 10.13 MECHANICAL<br>FUNCTION   | The device meets the<br>requirements, provided<br>the information in the<br>instruction leaflet (IL) is<br>observed.                            |
| 10.2.2 CORROSION<br>RESISTANCE   | Meets the product standard's requirements.  |
| 10.2.3.1 VERIFICATION OF<br>THERMAL STABILITY OF<br>ENCLOSURES                               | Meets the product standard's requirements.  |
| 10.2.3.2 VERIFICATION OF<br>RESISTANCE OF<br>INSULATING MATERIALS<br>TO NORMAL HEAT          | Meets the product<br>standard's requirements.   |
| 10.2.3.3 RESIST. OF<br>INSUL. MAT. TO<br>ABNORMAL HEAT/FIRE<br>BY INTERNAL ELECT.<br>EFFECTS | Meets the product<br>standard's requirements.   |
| 10.2.4 RESISTANCE TO<br>ULTRA-VIOLET (UV)<br>RADIATION                                       | Meets the product<br>standard's requirements.   |
| 10.2.5 LIFTING   | Does not apply, since the entire switchgear needs to be evaluated.  |
| 10.2.6 MECHANICAL<br>IMPACT  | Does not apply, since the entire switchgear needs to be evaluated.  |

## Resources

Product Range Catalog Switching and protecting motors

## CATALOGS

## SmartWire-DT Catalog

eaton-product-overviewfor-machinery-catalogueca08103003zen-en-us.pdf

eaton-contactors-switchdilm-characteristiccurve.eps

eaton-contactors-shorttime-loading-dilmcharacteristic-curve.eps

## CHARACTERISTIC CURVE

eaton-contactors-switchdilm-characteristic-curve-<u>002.eps</u>

eaton-contactorscomponent-dilmcharacteristic-curve-003.eps

DA-DC-00004782.pdf

DA-DC-00004817.pdf

#### **DECLARATIONS OF** CONFORMITY

eaton-contactorsmounting-dilmdimensions.eps

eaton-contactorsmounting-dilmdimensions-002.eps

eaton-contactors-dilmdimensions-002.eps

DRAWINGS

eaton-contactors-dilmdimensions-012.eps

eaton-contactorsmounting-dilm-3ddrawing.eps

eaton-general-ie-readydilm-contactorstandards.eps

eaton-contactors-contactdilm-3d-drawing-003.eps

ETN.277934.edz

ECAD MODEL

INSTALLATION **INSTRUCTIONS**  IL03407033Z

| 10.2.7 INSCRIPTIONS  | Meets the product   |
|--|---|
|  | standard's requirements.  |
| 10.3 DEGREE OF<br>PROTECTION OF<br>ASSEMBLIES                  | Does not apply, since the<br>entire switchgear needs to<br>be evaluated.  |
| 10.4 CLEARANCES AND<br>CREEPAGE DISTANCES                      | Meets the product standard's requirements.  |
| 10.5 PROTECTION<br>AGAINST ELECTRIC<br>SHOCK                   | Does not apply, since the entire switchgear needs to be evaluated.  |
| 10.6 INCORPORATION OF<br>SWITCHING DEVICES AND<br>COMPONENTS   | Does not apply, since the entire switchgear needs to be evaluated.  |
| 10.7 INTERNAL<br>ELECTRICAL CIRCUITS<br>AND CONNECTIONS        | ls the panel builder's<br>responsibility.   |
| 10.8 CONNECTIONS FOR<br>EXTERNAL CONDUCTORS                    | ls the panel builder's<br>responsibility.   |
| 10.9.2 POWER-<br>FREQUENCY ELECTRIC<br>STRENGTH                | ls the panel builder's<br>responsibility.   |
| 10.9.3 IMPULSE<br>WITHSTAND VOLTAGE                            | ls the panel builder's<br>responsibility.   |
| 10.9.4 TESTING OF<br>ENCLOSURES MADE OF<br>INSULATING MATERIAL | ls the panel builder's<br>responsibility.   |
| FITTED WITH:   | Mirror contact  |
| OPERATING FREQUENCY  | 5000 mechanical<br>Operations/h (AC<br>operated)  |
| POLLUTION DEGREE   | 3   |
| CLIMATIC PROOFING  | Damp heat, cyclic, to IEC<br>60068-2-30<br>Damp heat, constant, to<br>IEC 60068-2-78  |
| RATED IMPULSE<br>WITHSTAND VOLTAGE<br>(UIMP)                   | 8000 V AC   |
| UTILIZATION CATEGORY   | AC-4: Normal AC induction<br>motors: starting, plugging,<br>reversing, inching<br>AC-3: Normal AC induction<br>motors: starting, switch off<br>during running<br>AC-1: Non-inductive or<br>slightly inductive loads,<br>resistance furnaces |
| CONNECTION   | Screw terminals   |
| AMBIENT OPERATING  |   |

| INSTALLATION VIDEOS | <u>WIN-WIN with push-in</u><br><u>technology</u> |
|---------------------|--|
| MCAD MODEL          | <u>dil m40 65 22.stp</u>                         |
|                     | <u>dil_m40_65_22.dwg</u>                         |
|                     | DA-CS-dil m40                                    |
| WIRING DIAGRAMS     | <u>2100SWI-125</u>                               |
|                     |  |

| AMBIENT OPERATING  | -25 °C |
|--|--------|
| TEMPERATURE - MIN<br>AMBIENT OPERATING<br>TEMPERATURE<br>(ENCLOSED) - MAX  | 40 °C  |
| AMBIENT OPERATING<br>TEMPERATURE<br>(ENCLOSED) - MIN                       | 25 ℃   |
| AMBIENT STORAGE<br>TEMPERATURE - MAX                                       | 80 °C  |
| AMBIENT STORAGE<br>TEMPERATURE - MIN                                       | 40 °C  |
| ASSIGNED MOTOR<br>POWER AT 115/120 V, 60<br>HZ, 1-PHASE                    | 5 HP   |
| ASSIGNED MOTOR<br>POWER AT 200/208 V, 60<br>HZ, 3-PHASE                    | 20 HP  |
| ASSIGNED MOTOR<br>POWER AT 230/240 V, 60<br>HZ, 1-PHASE                    | 15 HP  |
| ASSIGNED MOTOR<br>POWER AT 230/240 V, 60<br>HZ, 3-PHASE                    | 25 HP  |
| ASSIGNED MOTOR<br>POWER AT 460/480 V, 60<br>HZ, 3-PHASE                    | 50 HP  |
| ASSIGNED MOTOR<br>POWER AT 575/600 V, 60<br>HZ, 3-PHASE                    | 60 HP  |
| CONVENTIONAL<br>THERMAL CURRENT ITH<br>(1-POLE, ENCLOSED)                  | 180 A  |
| CONVENTIONAL<br>THERMAL CURRENT ITH<br>(3-POLE, ENCLOSED)                  | 72 A   |
| CONVENTIONAL<br>THERMAL CURRENT ITH<br>AT 55°C (3-POLE, OPEN)              | 83 A   |
| CONVENTIONAL<br>THERMAL CURRENT ITH<br>OF MAIN CONTACTS (1-<br>POLE, OPEN) | 200 A  |
| EQUIPMENT HEAT<br>DISSIPATION, CURRENT-<br>DEPENDENT PVID                  | 17.1 W |
| HEAT DISSIPATION<br>CAPACITY PDISS   | 0 W    |
| HEAT DISSIPATION PER<br>POLE, CURRENT-                                     | 5.7 W  |

| DEPENDENT PVID  |  |
|---|--|
| APPLICATION   | Contactors for Motors  |
| PRODUCT CATEGORY  | Contactors   |
| PROTECTION  | Finger and back-of-hand<br>proof, Protection against<br>direct contact when<br>actuated from front (EN<br>50274) |
| ARCING TIME   | 10 ms  |
| ELECTRICAL<br>CONNECTION TYPE OF<br>MAIN CIRCUIT              | Screw connection   |
| SCREWDRIVER SIZE  | 0.8 x 5.5/1 x 6 mm,<br>Terminal screw, Standard<br>screwdriver<br>2, Terminal screw, Pozidriv<br>screwdriver     |
| VOLTAGE TYPE  | AC   |
| DEGREE OF PROTECTION  | IP00   |
| NUMBER OF AUXILIARY<br>CONTACTS (NORMALLY<br>CLOSED CONTACTS) | 2  |
| NUMBER OF AUXILIARY<br>CONTACTS (NORMALLY<br>OPEN CONTACTS)   | 2  |
| NUMBER OF CONTACTS<br>(NORMALLY CLOSED<br>CONTACTS)           | 2  |
| NUMBER OF CONTACTS<br>(NORMALLY CLOSED) AS<br>MAIN CONTACT    | 0  |
| NUMBER OF CONTACTS<br>(NORMALLY OPEN<br>CONTACTS)             | 2  |
| NUMBER OF MAIN<br>CONTACTS (NORMALLY<br>OPEN CONTACT)         | 3  |
| RATED BREAKING<br>CAPACITY AT 220/230 V                       | 650 A  |
| RATED BREAKING<br>CAPACITY AT 380/400 V                       | 650 A  |
| RATED BREAKING<br>CAPACITY AT 500 V                           | 650 A  |
| RATED BREAKING<br>CAPACITY AT 660/690 V                       | 370 A  |
| RATED CONTROL SUPPLY<br>VOLTAGE (US) AT AC, 50<br>HZ - MAX    | 230 V  |

| RATED CONTROL SUPPLY<br>VOLTAGE (US) AT AC, 50<br>HZ - MIN | 230 V  |
|--|--|
| RATED CONTROL SUPPLY<br>VOLTAGE (US) AT AC, 60<br>HZ - MAX | 230 V  |
| RATED CONTROL SUPPLY<br>VOLTAGE (US) AT AC, 60<br>HZ - MIN | 230 V  |
| DROP-OUT VOLTAGE   | AC operated: 0.6 - 0.3 x<br>UC, AC operated  |
| OVERVOLTAGE<br>CATEGORY                                    | III  |
| DUTY FACTOR  | 100 %  |
| EMITTED INTERFERENCE                                       | According to EN 60947-1  |
| INTERFERENCE<br>IMMUNITY                                   | According to EN 60947-1  |
| LIFESPAN, MECHANICAL                                       | 7,000,000 Operations (Coil<br>50/60 Hz)<br>10,000,000 Operations (AC<br>operated)  |
| PICK-UP VOLTAGE  | 0.8 - 1.1 V AC x Uc  |
| POWER CONSUMPTION,<br>PICK-UP, 50 HZ                       | 168 VA, Dual-frequency<br>coil in a cold state and 1.0<br>x Us<br>154 VA, Dual-frequency<br>coil in a cold state and 1.0<br>x Us |
| SAFE ISOLATION   | 440 V AC, Between the<br>contacts, According to EN<br>61140<br>440 V AC, Between coil<br>and contacts, According to<br>EN 61140  |
| POWER CONSUMPTION,<br>PICK-UP, 60 HZ                       | 168 VA, Dual-frequency<br>coil in a cold state and 1.0<br>x Us<br>154 VA, Dual-frequency<br>coil in a cold state and 1.0<br>x Us |
| SCREW SIZE   | M6, Terminal screw, Main<br>cables<br>M3.5, Terminal screw,<br>Control circuit cables  |
| POWER CONSUMPTION,<br>SEALING, 50 HZ                       | 4.1 W, Dual-frequency coil in a cold state and 1.0 x Us  |
| POWER CONSUMPTION,<br>SEALING, 60 HZ                       | 14 VA, Dual-frequency coil<br>in a cold state and 1.0 x<br>Us, at 60 Hz<br>4.1 W, Dual-frequency coil                            |

|  | in a cold state and 1.0 x Us  |
|--|---|
|  | 22 VA, Dual-frequency coil<br>in a cold state and 1.0 x<br>Us, at 60 Hz   |
| TERMINAL CAPACITY<br>(STRANDED)                            | 1 x (16 - 50) mm², Main<br>cables<br>2 x (16 - 35) mm², Main<br>cables  |
| SWITCHING CAPACITY<br>(AUXILIARY CONTACTS,<br>GENERAL USE) | 15 A, 600 V AC, (UL/CSA)<br>1 A, 250 V DC, (UL/CSA)   |
| SWITCHING CAPACITY<br>(AUXILIARY CONTACTS,<br>PILOT DUTY)  | A600, AC operated<br>(UL/CSA)<br>P300, DC operated<br>(UL/CSA)  |
| TERMINAL CAPACITY<br>(COPPER BAND)                         | 2 x (6 x 9 x 0.8) mm<br>(Number of segments x<br>width x thickness), Main<br>cables   |
| TERMINAL CAPACITY<br>(FLEXIBLE WITH<br>FERRULE)            | 2 x (0.75 - 25) mm <sup>2</sup> , Main<br>cables<br>2 x (0.75 - 2.5) mm <sup>2</sup> ,<br>Control circuit cables<br>1 x (0.75 - 35) mm <sup>2</sup> , Main<br>cables<br>1 x (0.75 - 2.5) mm <sup>2</sup> ,<br>Control circuit cables  |
| SHOCK RESISTANCE   | 7 g, N/O auxiliary contact,<br>Mechanical, according to<br>IEC/EN 60068-2-27, Half-<br>sinusoidal shock 10 ms<br>10 g, N/O main contact,<br>Mechanical, according to<br>IEC/EN 60068-2-27 when<br>tabletop-mounted, Half-<br>sinusoidal shock 10 ms<br>7 g, N/O auxiliary contact,<br>Mechanical, according to<br>IEC/EN 60068-2-27 when<br>tabletop-mounted, Half-<br>sinusoidal shock 10 ms<br>5 g, N/C auxiliary contact,<br>Mechanical, according to<br>IEC/EN 60068-2-27, Half-<br>sinusoidal shock 10 ms<br>5 g, N/C auxiliary contact,<br>Mechanical, according to<br>IEC/EN 60068-2-27 when<br>tabletop-mounted, Half-<br>sinusoidal shock 10 ms<br>5 g, N/C auxiliary contact,<br>Mechanical, according to<br>IEC/EN 60068-2-27 when<br>tabletop-mounted, Half-<br>sinusoidal shock 10 ms<br>10 g, N/O main contact,<br>Mechanical, according to<br>IEC/EN 60068-2-27, Half- |

|  | sinusoidal shock 10 ms   |
|--|--|
| TERMINAL CAPACITY<br>(SOLID)   | $1 \times (0.75 - 2.5) \text{ mm}^2$ ,<br>Control circuit cables<br>$2 \times (0.75 - 2.5) \text{ mm}^2$ ,<br>Control circuit cables<br>$2 \times (0.75 - 16) \text{ mm}^2$ , Main<br>cables<br>$1 \times (0.75 - 16) \text{ mm}^2$ , Main<br>cables |
| TERMINAL CAPACITY<br>(SOLID/STRANDED AWG)                            | 18 - 14, Control circuit<br>cables<br>Single 14 - 1, double 14 - 2,<br>Main cables   |
| SWITCHING CAPACITY<br>(MAIN CONTACTS,<br>GENERAL USE)                | 88 A, Maximum motor<br>rating (UL/CSA)   |
| TIGHTENING TORQUE  | 1.2 Nm, Screw terminals,<br>Control circuit cables<br>3.3 Nm, Screw terminals,<br>Main cables  |
| RATED CONTROL SUPPLY<br>VOLTAGE (US) AT DC -<br>MAX                  | 0 V  |
| RATED CONTROL SUPPLY<br>VOLTAGE (US) AT DC -<br>MIN                  | 0 V  |
| RATED INSULATION<br>VOLTAGE (UI)                                     | 690 V  |
| RATED MAKING<br>CAPACITY UP TO 690 V<br>(COS PHI TO IEC/EN<br>60947) | 910 A  |
| RATED OPERATIONAL<br>CURRENT (IE) AT AC-1,<br>380 V, 400 V, 415 V    | 98 A   |
| RATED OPERATIONAL<br>CURRENT (IE) AT AC-3,<br>220 V, 230 V, 240 V    | 65 A   |
| RATED OPERATIONAL<br>CURRENT (IE) AT AC-3,<br>380 V, 400 V, 415 V    | 65 A   |
| RATED OPERATIONAL<br>CURRENT (IE) AT AC-3,<br>440 V                  | 65 A   |
| RATED OPERATIONAL<br>CURRENT (IE) AT AC-3,<br>500 V                  | 65 A   |
| RATED OPERATIONAL<br>CURRENT (IE) AT AC-3,<br>660 V, 690 V           | 37 A   |

| RATED OPERATIONAL<br>CURRENT (IE) AT AC-4,<br>220 V, 230 V, 240 V   | 25 A   |
|---|--------|
| RATED OPERATIONAL<br>CURRENT (IE) AT AC-4,<br>400 V                 | 25 A   |
| RATED OPERATIONAL<br>CURRENT (IE) AT AC-4,<br>440 V                 | 25 A   |
| RATED OPERATIONAL<br>CURRENT (IE) AT AC-4,<br>500 V                 | 25 A   |
| RATED OPERATIONAL<br>CURRENT (IE) AT AC-4,<br>660 V, 690 V          | 20 A   |
| RATED OPERATIONAL<br>CURRENT (IE) AT DC-1,<br>110 V                 | 72 A   |
| RATED OPERATIONAL<br>CURRENT (IE) AT DC-1,<br>220 V                 | 65 A   |
| RATED OPERATIONAL<br>CURRENT (IE) AT DC-1, 60<br>V                  | 72 A   |
| RATED OPERATIONAL<br>CURRENT FOR SPECIFIED<br>HEAT DISSIPATION (IN) | 65 A   |
| RATED OPERATIONAL<br>POWER AT AC-3, 240 V, 50<br>HZ                 | 22 kW  |
| RATED OPERATIONAL<br>POWER AT AC-3, 380/400<br>V, 50 HZ             | 30 kW  |
| RATED OPERATIONAL<br>POWER AT AC-3, 415 V, 50<br>HZ                 | 39 kW  |
| RATED OPERATIONAL<br>POWER AT AC-4, 220/230<br>V, 50 HZ             | 7 kW   |
| RATED OPERATIONAL<br>POWER AT AC-4, 240 V, 50<br>HZ                 | 7.5 kW |
| RATED OPERATIONAL<br>POWER AT AC-4, 380/400<br>V, 50 HZ             | 12 kW  |
| RATED OPERATIONAL<br>POWER AT AC-4, 415 V, 50<br>HZ                 | 13 kW  |
| RATED OPERATIONAL<br>POWER AT AC-4, 440 V, 50                       | 14 kW  |
|   |        |

| HZ  |  |
|---|--|
| RATED OPERATIONAL<br>POWER AT AC-4, 500 V, 50<br>HZ                       | 16 kW  |
| RATED OPERATIONAL<br>POWER AT AC-4, 660/690<br>V, 50 HZ                   | 17 kW  |
| RATED OPERATIONAL<br>POWER (NEMA)   | 37 kW  |
| RATED OPERATIONAL<br>VOLTAGE (UE) AT AC -<br>MAX                          | 690 V  |
| RESISTANCE PER POLE   | 1.9 mΩ   |
| STATIC HEAT<br>DISSIPATION, NON-<br>CURRENT-DEPENDENT<br>PVS              | 4.1 W  |
| STRIPPING LENGTH<br>(CONTROL CIRCUIT<br>CABLE)                            | 10 mm  |
| STRIPPING LENGTH<br>(MAIN CABLE)  | 14 mm  |
| SWITCHING TIME (AC<br>OPERATED, MAKE<br>CONTACTS, CLOSING<br>DELAY) - MAX | 18 ms  |
| SWITCHING TIME (AC<br>OPERATED, MAKE<br>CONTACTS, CLOSING<br>DELAY) - MIN | 12 ms  |
| SWITCHING TIME (AC<br>OPERATED, MAKE<br>CONTACTS, OPENING<br>DELAY) - MAX | 13 ms  |
| SWITCHING TIME (AC<br>OPERATED, MAKE<br>CONTACTS, OPENING<br>DELAY) - MIN | 8 ms   |
| SHORT-CIRCUIT CURRENT<br>RATING (BASIC RATING)                            | 10 kA, SCCR (UL/CSA)<br>250 A, max. Fuse, SCCR<br>(UL/CSA)<br>250 A, max. CB, SCCR<br>(UL/CSA)   |
| SHORT-CIRCUIT CURRENT<br>RATING (HIGH FAULT AT<br>480 V)                  | 250/150 A, Class J, max.<br>Fuse, SCCR (UL/CSA)<br>30/100 kA, Fuse, SCCR<br>(UL/CSA)<br>65 kA, CB, SCCR (UL/CSA)<br>100 A, max. CB, SCCR<br>(UL/CSA) |

| SHORT-CIRCUIT CURRENT<br>RATING (HIGH FAULT AT<br>600 V)                | 250/150 A, Class J, max.<br>Fuse, SCCR (UL/CSA)<br>250 A, max. CB, SCCR<br>(UL/CSA)<br>30/100 kA, Fuse, SCCR<br>(UL/CSA)<br>30 kA, CB, SCCR (UL/CSA)   |
|---|--|
| SHORT-CIRCUIT<br>PROTECTION RATING<br>(TYPE 1 COORDINATION)<br>AT 400 V | 250 A gG/gL  |
| SUITABLE FOR  | Also motors with efficiency class IE3  |
| SHORT-CIRCUIT<br>PROTECTION RATING<br>(TYPE 1 COORDINATION)<br>AT 690 V | 100 A gG/gL  |
| SHORT-CIRCUIT<br>PROTECTION RATING<br>(TYPE 2 COORDINATION)<br>AT 400 V | 125 A gG/gL  |
| SHORT-CIRCUIT<br>PROTECTION RATING<br>(TYPE 2 COORDINATION)<br>AT 690 V | 80 A gG/gL   |
| SPECIAL PURPOSE<br>RATING OF BALLAST<br>ELECTRICAL DISCHARGE<br>LAMPS   | 88 A (600V 60Hz 3phase,<br>347V 60Hz 1phase)<br>88 A (480V 60Hz 3phase,<br>277V 60Hz 1phase)   |
| SPECIAL PURPOSE<br>RATING OF DEFINITE<br>PURPOSE RATING                 | 390 A, LRA 480 V 60 Hz 3-<br>ph, 100,000 cycles acc. to<br>UL 1995, (UL/CSA)<br>65 A, FLA 480 V 60 Hz 3-<br>ph, 100,000 cycles acc. to<br>UL 1995, (UL/CSA)  |
| SPECIAL PURPOSE<br>RATING OF ELEVATOR<br>CONTROL                        | 40 A, 480 V 60 Hz 3-ph,<br>(UL/CSA)<br>42 A, 240 V 60 Hz 3-ph,<br>(UL/CSA)<br>10 HP, 200 V 60 Hz 3-ph,<br>(UL/CSA)<br>15 HP, 240 V 60 Hz 3-ph,<br>(UL/CSA)<br>32.2 A, 200 V 60 Hz 3-ph,<br>(UL/CSA)<br>40 HP, 600 V 60 Hz 3-ph,<br>(UL/CSA)<br>30 HP, 480 V 60 Hz 3-ph,<br>(UL/CSA)<br>41 A, 600 V 60 Hz 3-ph,<br>(UL/CSA) |
| SPECIAL PURPOSE<br>RATING OF RESISTANCE                                 | 88 A, 480 V 60 Hz 3phase,<br>277 V 60 Hz 1phase,   |

| AIR HEATING   | (UL/CSA)<br>88 A, 600 V 60 Hz 3phase,<br>347 V 60 Hz 1phase,<br>(UL/CSA)   |
|---|--|
| SPECIAL PURPOSE<br>RATING OF TUNGSTEN<br>INCANDESCENT LAMPS   | 88 A, 600 V 60 Hz 3phase,<br>347 V 60 Hz 1phase,<br>(UL/CSA)<br>88 A, 480 V 60 Hz 3phase,<br>277 V 60 Hz 1phase,<br>(UL/CSA) |
| CONVENTIONAL<br>THERMAL CURRENT ITH<br>AT 40°C (3-POLE, OPEN) | 98 A   |
| CONVENTIONAL<br>THERMAL CURRENT ITH<br>AT 50°C (3-POLE, OPEN) | 88 A   |
| CONVENTIONAL<br>THERMAL CURRENT ITH<br>AT 60°C (3-POLE, OPEN) | 80 A   |
| RATED OPERATIONAL<br>POWER AT AC-3, 440 V, 50<br>HZ           | 41 kW  |
| RATED OPERATIONAL<br>POWER AT AC-3, 500 V, 50<br>HZ           | 47 kW  |
| RATED OPERATIONAL<br>POWER AT AC-3, 690 V, 50<br>HZ           | 35 kW  |
| ACTUATING VOLTAGE   | 230 V 50/60 Hz   |
| ALTITUDE  | Max. 2000 m  |
| OPERATING VOLTAGE AT<br>AC, 50 HZ - MIN                       | 230 V  |
| OPERATING VOLTAGE AT<br>AC, 50 HZ - MAX                       | 690 V  |
| OPERATING VOLTAGE AT<br>AC, 60 HZ - MIN                       | 230 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

© 2025 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

