Specifications

Photo is representative

Eaton 239476

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 45 kW, 42 V 50 Hz, 48 V 60 Hz, AC operation, Screw terminals

| General specifications | |
|-------------------------|--|
| PRODUCT NAME | Eaton Moeller® series DILM contactor |
| CATALOG NUMBER | 239476 |
| MODEL CODE | DILM95(42V50HZ,48V60HZ) |
| EAN | 4015082394769 |
| PRODUCT LENGTH/DEPTH | 160 mm |
| PRODUCT HEIGHT | 170 mm |
| PRODUCT WIDTH | 90 mm |
| PRODUCT WEIGHT | 2.18 kg |
| COMPLIANCES | CE Marked |
| CERTIFICATIONS | CSA Std. C22.2 No. 14-05 EN 60947-4-1 IEC 60947-4-1 UL 508 VDE IEC/EN 60947-4-1 IEC/EN 60947 UL 60947-4-1 UL File No.: E29096 UL CSA CSA-C22.2 No. 60947-4-1- 14 CSA File No.: 012528 VDE 0660 CE UL Category Control No.: NLDX CSA Class No.: 2411-03, 3211-04 |
| CATALOG NOTES | Contacts according to EN 50012 |
| GLOBAL CATALOG | 239476 |



| Product specifications | S | Resources |
|--|---|------------------------------|
| AMPERAGE RATING | 95A | |
| NUMBER OF POLES | Three-pole | |
| VOLTAGE RATING | 42-48 V | |
| 10.10 TEMPERATURE RISE | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. | CATALOGS |
| 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. | CHARACTERISTIC |
| 10.13 MECHANICAL FUNCTION | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. | DECLARATIONS |
| 10.2.2 CORROSION RESISTANCE | Meets the product standard's requirements. | CONFORMITY |
| 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. | DRAWINGS |
| 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. | ECAD MODEL |
| 10.2.7 INSCRIPTIONS | Meets the product standard's requirements. | INSTALLATION INSTRUCTIONS |
| | | |

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| | SmartWire-DT Catalog |
|--------------------|---|
| ALOGS | <u>eaton-product-overview-</u> <u>for-machinery-catalogue-</u> <u>ca08103003zen-en-us.pdf</u> |
| | Product Range Catalog Switching and protecting motors |
| | eaton-contactors-switch- dilm-characteristic-curve- 002.eps |
| | <u>eaton-contactors-switch-</u> <u>dilm-characteristic-</u> <u>curve.eps</u> |
| ARACTERISTIC CURVE | <u>eaton-contactors-short-</u> <u>time-loading-dilm-</u> <u>characteristic-curve-</u> <u>002.eps</u> |
| | <u>eaton-contactors-</u> <u>component-dilm-</u> <u>characteristic-curve-</u> <u>003.eps</u> |
| LARATIONS OF | DA-DC-00004781.pdf |
| NFORMITY | DA DC 00004010 |
| | DA-DC-00004818.pdf |
| | eaton-contactors-dilm- |
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| | eaton-contactors-dilm- dimensions-003.eps eaton-contactors- |
| | eaton-contactors-dilm- dimensions-003.eps eaton-contactors- mounting-dilm- |
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| | eaton-contactors-dilm- dimensions-003.eps eaton-contactors- mounting-dilm- dimensions.eps eaton-contactors- |
| | eaton-contactors-dilm- dimensions-003.eps eaton-contactors- mounting-dilm- dimensions.eps |
| AWINGS | eaton-contactors-dilm- dimensions-003.eps eaton-contactors- mounting-dilm- dimensions.eps eaton-contactors- mounting-dilm- dimensions-002.eps |
| AWINGS | eaton-contactors-dilm- dimensions-003.eps eaton-contactors- mounting-dilm- dimensions.eps eaton-contactors- mounting-dilm- |
| AWINGS | eaton-contactors-dilm- dimensions-003.eps eaton-contactors- mounting-dilm- dimensions.eps eaton-contactors- mounting-dilm- dimensions-002.eps eaton-contactors-dilm- dimensions-002.eps |
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| AWINGS | eaton-contactors-dilm- dimensions-003.epseaton-contactors- mounting-dilm- dimensions.epseaton-contactors- mounting-dilm- dimensions-002.epseaton-contactors-dilm- dimensions-011.epseaton-general-ie-ready- dilm-contactor- standards.epseaton-contactors-dilm-3d- drawing.epseaton-contactors-dilm-3d- drawing.eps |
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| | eaton-contactors-dilm- dimensions-003.epseaton-contactors- mounting-dilm- dimensions.epseaton-contactors- mounting-dilm- dimensions-002.epseaton-contactors-dilm- dimensions-011.epseaton-contactors-dilm- dimensions-011.epseaton-contactors-dilm- dimensions-011.epseaton-contactors-dilm- dimensions-011.epseaton-contactors-dilm- dimensions-011.epseaton-general-ie-ready- dilm-contactor- standards.epseaton-contactors-dilm-3d- drawing.epseaton-contactors-dilm-3d- drawing.eps |

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| 10.3 DEGREE OF PROTECTION OF ASSEMBLIES | Does not apply, since the entire switchgear needs to be evaluated. |
|--|---|
| 10.4 CLEARANCES AND CREEPAGE DISTANCES | Meets the product standard's requirements. |
| 10.5 PROTECTION AGAINST ELECTRIC SHOCK | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS | ls the panel builder's responsibility. |
| 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS | ls the panel builder's responsibility. |
| 10.9.2 POWER- FREQUENCY ELECTRIC STRENGTH | ls the panel builder's responsibility. |
| 10.9.3 IMPULSE WITHSTAND VOLTAGE | ls the panel builder's responsibility. |
| 10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL | ls the panel builder's responsibility. |
| FREQUENCY RATING | 50-60 Hz |
| OPERATING FREQUENCY | 3600 mechanical Operations/h (AC operated) |
| POLLUTION DEGREE | 3 |
| CLIMATIC PROOFING | Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 |
| CONNECTION TO SMARTWIRE-DT | No |
| RATED IMPULSE WITHSTAND VOLTAGE (UIMP) | 8000 V AC |
| UTILIZATION CATEGORY | AC-4: Normal AC induction motors: starting, plugging, reversing, inching AC-1: Non-inductive or slightly inductive loads, resistance furnaces AC-3: Normal AC induction motors: starting, switch off during running |
| CONNECTION | Screw terminals |
| FRAME SIZE | FS4 |
| | |

| INSTALLATION VIDEOS | <u>WIN-WIN with push-in</u> <u>technology</u> |
|---------------------|---|
| MCAD MODEL | <u>DA-CD-dil m80 170</u> <u>DA-CS-dil_m80_170</u> |
| SYSTEM OVERVIEW | <u>eaton-contactors-dilm-</u> <u>contactor-system-</u> <u>overview.eps</u> |
| WIRING DIAGRAMS | <u>eaton-contactors-contact-</u> <u>dilm-wiring-diagram-</u> <u>003.eps</u> |

| AMBIENT OPERATING TEMPERATURE - MAX | 60 °C |
|--|--------|
| AMBIENT OPERATING TEMPERATURE - MIN | -25 °C |
| AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX | 40 °C |
| AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN | 25 °C |
| AMBIENT STORAGE TEMPERATURE - MAX | 80 °C |
| AMBIENT STORAGE TEMPERATURE - MIN | 40 °C |
| ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE | 7.5 HP |
| ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE | 30 HP |
| ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE | 15 HP |
| ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE | 40 HP |
| ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE | 75 HP |
| ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE | 100 HP |
| CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED) | 250 A |
| CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED) | 100 A |
| CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN) | 115 A |
| CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1- POLE, OPEN) | 275 A |
| EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID | 12.6 W |
| HEAT DISSIPATION CAPACITY PDISS | 0 W |
| | |

| HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID | 4.2 W |
|---|---|
| APPLICATION | Contactors for Motors |
| PRODUCT CATEGORY | Contactors |
| PROTECTION | Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274) |
| ARCING TIME | 15 ms |
| ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT | Screw connection |
| SCREWDRIVER SIZE | 2, Terminal screw, Contro circuit cables, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Control circuit cables, Standard screwdriver |
| VOLTAGE TYPE | AC |
| DEGREE OF PROTECTION | IP00 |
| NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) | 0 |
| NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS) | 0 |
| NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT | 0 |
| NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT) | 3 |
| OPERATING TEMPERATURE - MAX | 60 °C |
| OPERATING TEMPERATURE - MIN | -25 °C |
| RATED BREAKING CAPACITY AT 220/230 V | 950 A |
| RATED BREAKING CAPACITY AT 380/400 V | 950 A |
| RATED BREAKING CAPACITY AT 500 V | 950 A |
| RATED BREAKING CAPACITY AT 660/690 V | 800 A |
| RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 | 42 V |

| HZ - MAX | |
|--|--|
| RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN | 42 V |
| RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX | 48 V |
| RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN | 48 V |
| DROP-OUT VOLTAGE | AC operated: 0.6 - 0.3 x UC, AC operated |
| OVERVOLTAGE CATEGORY | Ш |
| DUTY FACTOR | 100 % |
| EMITTED INTERFERENCE | According to EN 60947-1 |
| INTERFERENCE IMMUNITY | According to EN 60947-1 |
| LIFESPAN, MECHANICAL | 10,000,000 Operations (AC operated) |
| PICK-UP VOLTAGE | 0.8 - 1.1 V AC x Uc |
| POWER CONSUMPTION, PICK-UP, 50 HZ | 310 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz |
| SAFE ISOLATION | 690 V AC, Between coil and contacts, According to EN 61140 690 V AC, Between the contacts, According to EN 61140 |
| POWER CONSUMPTION, PICK-UP, 60 HZ | 345 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz |
| RESIDUAL CURRENT | 1 mA (with actuation of A1 - A2 by the electronics with "0" signal) |
| SCREW SIZE | 5 mm AF, Hexagon socket- head spanner, Terminal screw, Main cables M10, Terminal screw, Main cables M3.5, Terminal screw, Control circuit cables |
| POWER CONSUMPTION, SEALING, 50 HZ | 26 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz 5.8 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz |
| POWER CONSUMPTION, | 5.8 W, Dual-frequency coil |

| SEALING, 60 HZ | in a cold state and 1.0 x Us, at 60 Hz 30 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz |
|---|---|
| TERMINAL CAPACITY (STRANDED) | 2 x (16 - 50) mm², Main cables 1 x (16 - 70) mm², Main cables |
| TERMINAL CAPACITY (COPPER BAND) | 2 x (6 x 16 x 0.8) mm (Number of segments x width x thickness), Main cables |
| TERMINAL CAPACITY (FLEXIBLE WITH FERRULE) | $2 \times (0.75 - 2.5) \text{ mm}^2$, Control circuit cables $1 \times (0.75 - 2.5) \text{ mm}^2$, Control circuit cables $1 \times (10 - 70) \text{ mm}^2$, Main cables $2 \times (10 - 50) \text{ mm}^2$, Main cables |
| SHOCK RESISTANCE | 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half- sinusoidal shock 10 ms 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half- sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half- sinusoidal shock 10 ms 5 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 10 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms 7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half- sinusoidal shock 10 ms |
| TERMINAL CAPACITY (SOLID) | 2 x (0.75 - 2.5) mm², Control circuit cables 1 x (0.75 - 4) mm², Control circuit cables |
| TERMINAL CAPACITY (SOLID/STRANDED AWG) | Single 83/0, double 82/0, Main cables |

| | 18 - 14, Control circuit cables |
|--|--|
| SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE) | 125 A, Maximum motor rating (UL/CSA) |
| TIGHTENING TORQUE | 14 Nm, Screw terminals, Main cables 1.2 Nm, Screw terminals, Control circuit cables |
| RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX | 0 V |
| RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN | 0 V |
| RATED INSULATION VOLTAGE (UI) | 690 V |
| RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947) | 1330 A |
| RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V | 130 A |
| RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V | 95 A |
| RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V | 95 A |
| RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V | 95 A |
| RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V | 95 A |
| RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V | 80 A |
| RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V | 50 A |
| RATED OPERATIONAL CURRENT (IE) AT AC-4, 400 V | 50 A |
| RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V | 50 A |
| RATED OPERATIONAL CURRENT (IE) AT AC-4, | 50 A |
| | |

| 500 V | |
|---|-------|
| | |
| RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V | 37 A |
| RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V | 110 A |
| RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V | 70 A |
| RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V | 110 A |
| RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) | 95 A |
| RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ | 32 kW |
| RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ | 45 kW |
| RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ | 57 kW |
| RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ | 16 kW |
| RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ | 17 kW |
| RATED OPERATIONAL POWER AT AC-4, 380/400 V, 50 HZ | 26 kW |
| RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ | 30 kW |
| RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ | 32 kW |
| RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ | 36 kW |
| RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ | 35 kW |
| | |
| RATED OPERATIONAL POWER (NEMA) | 55 kW |

| MAX | |
|---|--|
| RESISTANCE PER POLE | 0.6 mΩ |
| STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS | 5.8 W |
| STRIPPING LENGTH (CONTROL CIRCUIT CABLE) | 10 mm |
| STRIPPING LENGTH (MAIN CABLE) | 24 mm |
| SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX | 20 ms |
| SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN | 14 ms |
| SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX | 14 ms |
| SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN | 9 ms |
| SHORT-CIRCUIT CURRENT RATING (BASIC RATING) | 600 A, max. Fuse, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA) 600 A, max. CB, SCCR (UL/CSA) |
| SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V) | 30/100 kA, Fuse, SCCR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA) 65 kA, CB, SCCR (UL/CSA) 250 A, max. CB, SCCR (UL/CSA) |
| SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V) | 350 A, max. CB, SCCR (UL/CSA) 30/100 kA, Fuse, SCCR (UL/CSA) 30 kA, CB, SCCR (UL/CSA) 300/300 A, Class J, max. Fuse, SCCR (UL/CSA) |
| SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V | 250 A gG/gL |
| SUITABLE FOR | Also motors with efficiency |
| | |

| | class IE3 |
|---|---|
| SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V | 200 A gG/gL |
| SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V | 160 A gG/gL |
| SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V | 160 A gG/gL |
| SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS | 100 A (600V 60Hz 3phase, 347V 60Hz 1phase) 100 A (480V 60Hz 3phase, 277V 60Hz 1phase) |
| SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING | 570 A, LRA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) 95 A, FLA 480 V 60 Hz 3- ph, 100,000 cycles acc. to UL 1995, (UL/CSA) |
| SPECIAL PURPOSE RATING OF ELEVATOR CONTROL | 30 HP, 240 V 60 Hz 3-ph, (UL/CSA) 80 A, 240 V 60 Hz 3-ph, (UL/CSA) 77 A, 480 V 60 Hz 3-ph, (UL/CSA) 75 HP, 600 V 60 Hz 3-ph, (UL/CSA) 60 HP, 480 V 60 Hz 3-ph, (UL/CSA) 20 HP, 200 V 60 Hz 3-ph, (UL/CSA) 77 A, 600 V 60 Hz 3-ph, (UL/CSA) |
| SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY) | 540 A, LRA 480 V 60 Hz 3phase; (CSA) 70 A, FLA 600 V 60 Hz 3phase; (CSA) 90 A, FLA 480 V 60 Hz 3phase; (CSA) 420 A, LRA 600 V 60 Hz 3phase; (CSA) |
| SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING | 100 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) 100 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) |

| SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS | 100 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA) 100 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA) |
|---|--|
| OPERATING TEMPERATURE | -25° to 60°C |
| CONVENTIONAL THERMAL CURRENT ITH AT 40°C (3-POLE, OPEN) | 130 A |
| CONVENTIONAL THERMAL CURRENT ITH AT 50°C (3-POLE, OPEN) | 125 A |
| CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN) | 110 A |
| RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ | 60 kW |
| RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ | 70 kW |
| RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ | 75 kW |
| ACTUATING VOLTAGE | 42 V 50 Hz, 48 V 60 Hz |
| ALTITUDE | Max. 2000 m |
| OPERATING VOLTAGE AT AC, 50 HZ - MIN | 230 V |
| OPERATING VOLTAGE AT AC, 50 HZ - MAX | 690 V |
| OPERATING VOLTAGE AT AC, 60 HZ - MIN | 230 V |
| OPERATING VOLTAGE AT AC, 60 HZ - MAX | 690 V |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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