

# Specifications



## Eaton 277114

Eaton Moeller® series DILM Contactor, 380 V 400 V 7.5 kW, 3 N/O, 2 NC, RDC 24: 24 - 27 V DC, DC operation, Screw terminals

### General specifications

|                         |                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRODUCT NAME            | Eaton Moeller® series<br>DILM contactor                                                                                                                                                                                                    |
| CATALOG NUMBER          | 277114                                                                                                                                                                                                                                     |
| MODEL CODE              | DILM17-32(RDC24)                                                                                                                                                                                                                           |
| EAN                     | 4015082771140                                                                                                                                                                                                                              |
| PRODUCT<br>LENGTH/DEPTH | 138 mm                                                                                                                                                                                                                                     |
| PRODUCT HEIGHT          | 85 mm                                                                                                                                                                                                                                      |
| PRODUCT WIDTH           | 45 mm                                                                                                                                                                                                                                      |
| PRODUCT WEIGHT          | 0.613 kg                                                                                                                                                                                                                                   |
| CERTIFICATIONS          | IEC/EN 60947<br>CSA Class No.: 2411-03,<br>3211-04<br>UL<br>CSA<br>CE<br>CSA File No.: 012528<br>UL 60947-4-1<br>UL Category Control No.:<br>NLDX<br>VDE 0660<br>IEC/EN 60947-4-1<br>CSA-C22.2 No. 60947-4-1-<br>14<br>UL File No.: E29096 |
| CATALOG NOTES           | Contacts according to EN<br>50012                                                                                                                                                                                                          |

## Ambient conditions, mechanical

|                         |                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>SHOCK RESISTANCE</b> | 6.9 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms      |
|                         | 3.5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms |
|                         | 5.3 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, 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                         |
|                         | 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms                         |

## Contacts

**NUMBER OF MAIN CONTACTS (NORMALLY OPEN CONTACT)** 3

**NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)** 2

**NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)** 3

**NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)** 2

**NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)** 3

**NUMBER OF CONTACTS (NORMALLY CLOSED) AS MAIN CONTACT** 0

## Climatic environmental conditions

**ALTITUDE** Max. 2000 m

**AMBIENT OPERATING TEMPERATURE - MAX** 60 °C

**AMBIENT STORAGE TEMPERATURE - MAX** 80 °C

**AMBIENT OPERATING TEMPERATURE - MIN** -25 °C

**AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX** 40 °C

**AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN** -25 °C

**AMBIENT STORAGE TEMPERATURE - MIN** -40 °C

**CLIMATIC PROOFING** Damp heat, constant, to IEC 60068-2-78  
Damp heat, cyclic, to IEC 60068-2-30

## Conventional thermal current I<sub>th</sub>

**CONVENTIONAL THERMAL CURRENT I<sub>TH</sub> (1-POLE, ENCLOSED)** 80 A

**CONVENTIONAL THERMAL CURRENT I<sub>TH</sub> (3-POLE, ENCLOSED)** 32 A

**CONVENTIONAL THERMAL CURRENT I<sub>TH</sub> AT 55°C (3-POLE, OPEN)** 37 A

**CONVENTIONAL THERMAL CURRENT I<sub>TH</sub> AT 60°C (3-POLE, OPEN)** 35 A

**CONVENTIONAL THERMAL CURRENT I<sub>TH</sub> OF MAIN CONTACTS (1-POLE, OPEN)** 88 A

## Design verification

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

## Electrical rating

|                                                                    |       |
|--------------------------------------------------------------------|-------|
| <b>RATED BREAKING CAPACITY AT 220/230 V</b>                        | 170 A |
| <b>RATED BREAKING CAPACITY AT 380/400 V</b>                        | 170 A |
| <b>RATED BREAKING CAPACITY AT 500 V</b>                            | 170 A |
| <b>RATED BREAKING CAPACITY AT 660/690 V</b>                        | 120 A |
| <b>RATED INSULATION VOLTAGE (UI)</b>                               | 690 V |
| <b>RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)</b> | 238 A |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V</b> | 40 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V</b> | 18 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b> | 18 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V</b>               | 18 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>               | 18 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V</b>        | 12 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V</b> | 10 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V</b>               | 10 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V</b>               | 10 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V</b>        | 8 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V</b>               | 35 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V</b>               | 35 A  |

|                                                                      |                                                                    |
|----------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>AGAINST ELECTRIC SHOCK</b>                                        | 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>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>            | 2.1 W                                                              |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                               | 0 W                                                                |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>             | 0.7 W                                                              |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b> | 18 A                                                               |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 0.9 W                                                              |

|                                                          |         |
|----------------------------------------------------------|---------|
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V</b>      | 35 A    |
| <b>RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ</b>     | 5.5 kW  |
| <b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b> | 7.5 kW  |
| <b>RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ</b>     | 10 kW   |
| <b>RATED OPERATIONAL POWER AT AC-3, 440 V, 50 HZ</b>     | 10.5 kW |
| <b>RATED OPERATIONAL POWER AT AC-3, 500 V, 50 HZ</b>     | 12 kW   |
| <b>RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ</b>     | 11 kW   |
| <b>RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ</b> | 2.5 kW  |
| <b>RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ</b>     | 3 kW    |
| <b>RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ</b>     | 5 kW    |
| <b>RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ</b>     | 5.5 kW  |
| <b>RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ</b>     | 6 kW    |
| <b>RATED OPERATIONAL POWER AT AC-4, 660/690 V, 50 HZ</b> | 6.5 kW  |
| <b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>        | 690 V   |

## Electro magnetic compatibility

|                              |                         |
|------------------------------|-------------------------|
| <b>EMITTED INTERFERENCE</b>  | According to EN 60947-1 |
| <b>INTERFERENCE IMMUNITY</b> | According to EN 60947-1 |

## Features & functions

|                        |                                                               |
|------------------------|---------------------------------------------------------------|
| <b>FITTED WITH:</b>    | Mirror contact<br>Suppressor circuit in actuating electronics |
| <b>NUMBER OF POLES</b> | Three-pole                                                    |

## General information

|                                               |                                                                                                                                                                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>APPLICATION</b>                            | Contactors for Motors                                                                                                                                                                                                     |
| <b>CONNECTION</b>                             | Screw terminals                                                                                                                                                                                                           |
| <b>DEGREE OF PROTECTION</b>                   | IP00                                                                                                                                                                                                                      |
| <b>LIFESPAN, MECHANICAL</b>                   | 7,000,000 Operations (Coil 50/60 Hz)<br>10,000,000 Operations (DC operated)                                                                                                                                               |
| <b>OPERATING FREQUENCY</b>                    | 5000 mechanical Operations/h (DC operated)                                                                                                                                                                                |
| <b>OVERVOLTAGE CATEGORY</b>                   | III                                                                                                                                                                                                                       |
| <b>POLLUTION DEGREE</b>                       | 3                                                                                                                                                                                                                         |
| <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>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b> | 8000 V AC                                                                                                                                                                                                                 |
| <b>RESISTANCE PER POLE</b>                    | 2.7 mΩ                                                                                                                                                                                                                    |
| <b>SUITABLE FOR</b>                           | Also motors with efficiency class IE3                                                                                                                                                                                     |
| <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>VOLTAGE TYPE</b>                           | DC                                                                                                                                                                                                                        |

## Magnet system

|                                                                         |                                                                                                       |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>ARCING TIME</b>                                                      | 10 ms                                                                                                 |
| <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>DUTY FACTOR</b>                                                      | 100 %                                                                                                 |
| <b>PICK-UP VOLTAGE</b>                                                  | 24 - 27 V DC (RDC 24)<br>0.7 - 1.2 V DC x Uc                                                          |
| <b>POWER CONSUMPTION (PICK-UP) AT DC</b>                                | 12 W                                                                                                  |
| <b>POWER CONSUMPTION (SEALING) AT DC</b>                                | 0.9 W                                                                                                 |
| <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>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                                                                                                 |

## Motor rating

### ASSIGNED MOTOR

POWER AT 115/120 V, 60 HZ, 1-PHASE 2 HP

### ASSIGNED MOTOR

POWER AT 200/208 V, 60 HZ, 3-PHASE 5 HP

### ASSIGNED MOTOR

POWER AT 230/240 V, 60 HZ, 1-PHASE 3 HP

### ASSIGNED MOTOR

POWER AT 230/240 V, 60 HZ, 3-PHASE 5 HP

### ASSIGNED MOTOR

POWER AT 460/480 V, 60 HZ, 3-PHASE 10 HP

### ASSIGNED MOTOR

POWER AT 575/600 V, 60 HZ, 3-PHASE 15 HP

## Safety

### SAFE ISOLATION

440 V AC, Between the contacts, According to EN 61140

440 V AC, Between coil and contacts, According to EN 61140

## Short-circuit rating

**SHORT-CIRCUIT CURRENT RATING (BASIC RATING)** 125 A, max. CB, SCCR (UL/CSA)  
5 kA, SCCR (UL/CSA)  
125 A, max. Fuse, SCCR (UL/CSA)

**SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)** 10/65 kA, CB, SCCR (UL/CSA)  
125/70 A, Class J, max. Fuse, SCCR (UL/CSA)  
50/32 A, max. CB, SCCR (UL/CSA)  
10/100 kA, Fuse, SCCR (UL/CSA)

**SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)** 125/70 A, Class J, max. Fuse, SCCR (UL/CSA)  
50/32 A, max. CB, SCCR (UL/CSA)  
10/100 kA, Fuse, SCCR (UL/CSA)  
10/22 kA, CB, SCCR (UL/CSA)

**SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V** 63 A gG/gL

**SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V** 50 A gG/gL

**SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V** 35 A gG/gL

**SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V** 35 A gG/gL

## Special purpose ratings

**SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING** 18 A, FLA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)  
108 A, LRA 480 V 60 Hz 3-ph, 100,000 cycles acc. to UL 1995, (UL/CSA)

**SPECIAL PURPOSE RATING OF ELEVATOR CONTROL** 11 A, 200 V 60 Hz 3-ph, (UL/CSA)  
10 HP, 600 V 60 Hz 3-ph, (UL/CSA)  
9.6 A, 240 V 60 Hz 3-ph, (UL/CSA)  
7.5 HP, 480 V 60 Hz 3-ph, (UL/CSA)  
11 A, 480 V 60 Hz 3-ph, (UL/CSA)  
11 A, 600 V 60 Hz 3-ph, (UL/CSA)  
3 HP, 240 V 60 Hz 3-ph, (UL/CSA)  
3 HP, 200 V 60 Hz 3-ph, (UL/CSA)

**SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)** 180 A, LRA 600 V 60 Hz 3phase; (CSA)  
40 A, FLA 480 V 60 Hz 3phase; (CSA)  
30 A, FLA 600 V 60 Hz 3phase; (CSA)  
240 A, LRA 480 V 60 Hz 3phase; (CSA)

**SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING** 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)  
40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)

**SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS** 40 A, 480 V 60 Hz 3phase, 277 V 60 Hz 1phase, (UL/CSA)  
40 A, 600 V 60 Hz 3phase, 347 V 60 Hz 1phase, (UL/CSA)

**SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS** 40 A (480V 60Hz 3phase, 277V 60Hz 1phase)  
40 A (600V 60Hz 3phase, 347V 60Hz 1phase)

## Switching capacity

|                                                                     |                                                     |
|---------------------------------------------------------------------|-----------------------------------------------------|
| <b>SWITCHING CAPACITY<br/>(AUXILIARY CONTACTS,<br/>GENERAL USE)</b> | 10 A, 600 V AC, (UL/CSA)<br>1 A, 250 V DC, (UL/CSA) |
|---------------------------------------------------------------------|-----------------------------------------------------|

|                                                                    |                                                                |
|--------------------------------------------------------------------|----------------------------------------------------------------|
| <b>SWITCHING CAPACITY<br/>(AUXILIARY CONTACTS,<br/>PILOT DUTY)</b> | A600, AC operated<br>(UL/CSA)<br>P300, DC operated<br>(UL/CSA) |
|--------------------------------------------------------------------|----------------------------------------------------------------|

|                                                                |                                        |
|----------------------------------------------------------------|----------------------------------------|
| <b>SWITCHING CAPACITY<br/>(MAIN CONTACTS,<br/>GENERAL USE)</b> | 40 A, Maximum motor<br>rating (UL/CSA) |
|----------------------------------------------------------------|----------------------------------------|

## Terminal capacities

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| <b>SCREW SIZE</b> | M3.5, Terminal screw,<br>Control circuit cables<br>M5, Terminal screw, Main<br>cables |
|-------------------|---------------------------------------------------------------------------------------|

|                         |                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>SCREWDRIVER SIZE</b> | 2, Terminal screw, Pozidriv<br>screwdriver<br>0.8 x 5.5/1 x 6 mm,<br>Terminal screw, Standard<br>screwdriver |
|-------------------------|--------------------------------------------------------------------------------------------------------------|

|                                                         |       |
|---------------------------------------------------------|-------|
| <b>STRIPPING LENGTH<br/>(CONTROL CIRCUIT<br/>CABLE)</b> | 10 mm |
|---------------------------------------------------------|-------|

|                                          |       |
|------------------------------------------|-------|
| <b>STRIPPING LENGTH<br/>(MAIN CABLE)</b> | 10 mm |
|------------------------------------------|-------|

|                                      |                                                                                                                                                                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TERMINAL CAPACITY<br/>(SOLID)</b> | 1 x (0.75 - 16) mm <sup>2</sup> , Main<br>cables<br>1 x (0.75 - 2.5) mm <sup>2</sup> ,<br>Control circuit cables<br>2 x (0.75 - 10) mm <sup>2</sup> , Main<br>cables<br>2 x (0.75 - 2.5) mm <sup>2</sup> ,<br>Control circuit cables |
|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                         |                                      |
|-----------------------------------------|--------------------------------------|
| <b>TERMINAL CAPACITY<br/>(STRANDED)</b> | 1 x 16 mm <sup>2</sup> , Main cables |
|-----------------------------------------|--------------------------------------|

|                          |                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------|
| <b>TIGHTENING TORQUE</b> | 1.2 Nm, Screw terminals,<br>Control circuit cables<br>3.2 Nm, Screw terminals,<br>Main cables |
|--------------------------|-----------------------------------------------------------------------------------------------|

|                                                          |                                                                                                                                                                                                                                      |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>TERMINAL CAPACITY<br/>(FLEXIBLE WITH<br/>FERRULE)</b> | 1 x (0.75 - 16) mm <sup>2</sup> , Main<br>cables<br>1 x (0.75 - 2.5) mm <sup>2</sup> ,<br>Control circuit cables<br>2 x (0.75 - 2.5) mm <sup>2</sup> ,<br>Control circuit cables<br>2 x (0.75 - 10) mm <sup>2</sup> , Main<br>cables |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                   |                                                                                    |
|---------------------------------------------------|------------------------------------------------------------------------------------|
| <b>TERMINAL CAPACITY<br/>(SOLID/STRANDED AWG)</b> | 18 - 14, Control circuit<br>cables<br>Single 18 - 6, double 18 - 8,<br>Main cables |
|---------------------------------------------------|------------------------------------------------------------------------------------|

## Resources

|                            |                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGUES                 | <a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a>                                                                                                                                                                                                                                                                                                                      |
| CHARACTERISTIC CURVE       | <a href="#">eaton-contactors-component-dilm-characteristic-curve-003.eps</a><br><a href="#">eaton-contactors-switch-dilm-characteristic-curve-002.eps</a><br><a href="#">eaton-contactors-short-time-loading-dilm-characteristic-curve.eps</a><br><a href="#">eaton-contactors-switch-dilm-characteristic-curve.eps</a>                                                                                     |
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-contactor-declaration-of-conformity-eu250736en.pdf</a><br><a href="#">eaton-contactor-declaration-of-conformity-uk251219en.pdf</a>                                                                                                                                                                                                                                                        |
| DRAWINGS                   | <a href="#">eaton-contactors-dimensions-210t014.eps</a><br><a href="#">eaton-contactors-contact-dimensions-210x202.eps</a><br><a href="#">eaton-contactors-mounting-dilm-dimensions.eps</a><br><a href="#">eaton-contactors-mounting-dilm-dimensions-002.eps</a><br><a href="#">eaton-contactors-contact-dilm-3d-drawing-002.eps</a><br><a href="#">eaton-general-ie-ready-dilm-contactor-standards.eps</a> |
| ECAD MODEL                 | <a href="#">ETN.277114.edz</a>                                                                                                                                                                                                                                                                                                                                                                              |
| INSTALLATION INSTRUCTIONS  | <a href="#">IL03407044Z</a>                                                                                                                                                                                                                                                                                                                                                                                 |
| INSTALLATION VIDEOS        | <a href="#">WIN-WIN with push-in technology</a>                                                                                                                                                                                                                                                                                                                                                             |
| MCAD MODEL                 | <a href="#">DA-CS-dil_m17_38_a_xhi</a><br><a href="#">eaton-iec-contactors-mcad-drawings-dil-m17-38-a-xhi.dwg</a>                                                                                                                                                                                                                                                                                           |

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| PEP ECO-PASSPORT | <a href="#">eaton-iec-contactors-pep-eato-00134-v0101-en.pdf</a> |
| WIRING DIAGRAMS  | <a href="#">eaton-contactors-wiring-diagram-2100swi-128.eps</a>  |

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**



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