

# Specifications



## Eaton 127137

Eaton Moeller® series DILEM Contactor, 24 V DC, 3 pole, 380 V 400 V, 5.5 kW, Contacts N/C = Normally closed= 1 NC, Screw terminals, DC operation DILEM12-01-G(24VDC)

### General specifications

|                      |                                                                                                                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PRODUCT NAME         | Eaton Moeller® series DILEM Mini contactor                                                                                                                                                                 |
| CATALOG NUMBER       | 127137                                                                                                                                                                                                     |
| MODEL CODE           | DILEM12-01-G(24VDC)                                                                                                                                                                                        |
| EAN                  | 4015081246724                                                                                                                                                                                              |
| PRODUCT LENGTH/DEPTH | 54 mm                                                                                                                                                                                                      |
| PRODUCT HEIGHT       | 58 mm                                                                                                                                                                                                      |
| PRODUCT WIDTH        | 45 mm                                                                                                                                                                                                      |
| PRODUCT WEIGHT       | 0.206 kg                                                                                                                                                                                                   |
| CERTIFICATIONS       | UL<br>UL 508<br>CSA Class No.: 3211-04<br>UL File No.: E29096<br>VDE 0660<br>CSA File No.: 012528<br>CE<br>CSA<br>CSA-C22.2 No. 14-05<br>IEC/EN 60947<br>UL Category Control No.: NLDX<br>IEC/EN 60947-4-1 |
| CATALOG NOTES        | Contacts according to EN 50012                                                                                                                                                                             |



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## Climatic environmental conditions

|                                                |                                                                                |
|------------------------------------------------|--------------------------------------------------------------------------------|
| AMBIENT OPERATING TEMPERATURE - MAX            | 50 °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, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78 |

## Conventional thermal current Ith

|                                                                       |      |
|-----------------------------------------------------------------------|------|
| CONVENTIONAL THERMAL CURRENT ITH (1-POLE, ENCLOSED)                   | 40 A |
| CONVENTIONAL THERMAL CURRENT ITH (3-POLE, ENCLOSED)                   | 16 A |
| CONVENTIONAL THERMAL CURRENT ITH AT 55°C (3-POLE, OPEN)               | 19 A |
| CONVENTIONAL THERMAL CURRENT ITH OF AUXILIARY CONTACTS (1-POLE, OPEN) | 10 A |
| CONVENTIONAL THERMAL CURRENT ITH OF MAIN CONTACTS (1-POLE, OPEN)      | 50 A |

## Contacts

|                                                         |                                                                                                                                |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| CONTROL CIRCUIT RELIABILITY                             | < 2 λ, < 1 failure at 100,000,000 Operations (at U <sub>e</sub> = 24 V DC, U <sub>min</sub> = 17 V, I <sub>min</sub> = 5.4 mA) |
| NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS) | 1                                                                                                                              |
| NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)   | 0                                                                                                                              |

## Design verification

|                                                                            |                                                                                                                                  |
|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                                       |

|                                                                                         |                                                                    |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <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 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>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>                               | 1.8 W                                                              |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                                                  | 0 W                                                                |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>                                | 0.6 W                                                              |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>                    | 12 A                                                               |
| <b>STATIC HEAT</b>                                                                      | 2.3 W                                                              |



## Electrical rating

|                                                                     |                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RATED BREAKING CAPACITY AT 220/230 V</b>                         | 96 A                                                                                                                                                                                                                                                                  |
| <b>RATED BREAKING CAPACITY AT 380/400 V</b>                         | 96 A                                                                                                                                                                                                                                                                  |
| <b>RATED BREAKING CAPACITY AT 500 V</b>                             | 72 A                                                                                                                                                                                                                                                                  |
| <b>RATED BREAKING CAPACITY AT 660/690 V</b>                         | 42 A                                                                                                                                                                                                                                                                  |
| <b>RATED INSULATION VOLTAGE (UI)</b>                                | 690 V                                                                                                                                                                                                                                                                 |
| <b>RATED MAKING CAPACITY UP TO 440 V (COS PHI TO IEC/EN 60947)</b>  | 120 A                                                                                                                                                                                                                                                                 |
| <b>RATED OPERATIONAL CURRENT (IE)</b>                               | 2.5 A at 60 V, DC L/R $\leq$ 15 ms (with 2 contacts in series)<br>0.5 A at 220 V, DC L/R $\leq$ 15 ms (with 3 contacts in series)<br>1.5 A at 100 V, DC L/R $\leq$ 15 ms (with 3 contacts in series)<br>2.5 A at 24 V, DC L/R $\leq$ 15 ms (with 1 contact in series) |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V</b>  | 22 A                                                                                                                                                                                                                                                                  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V</b> | 6 A                                                                                                                                                                                                                                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V</b> | 3 A                                                                                                                                                                                                                                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-15, 500 V</b>               | 1.5 A                                                                                                                                                                                                                                                                 |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V</b>  | 12 A                                                                                                                                                                                                                                                                  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b>  | 12 A                                                                                                                                                                                                                                                                  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V</b>                | 10.5 A                                                                                                                                                                                                                                                                |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>                | 9 A                                                                                                                                                                                                                                                                   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3,</b>                      | 5.2 A                                                                                                                                                                                                                                                                 |

## Features & functions

|                        |                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------|
| <b>FEATURES</b>        | Positive operating contacts to EN 60947-5-1 appendix L, including auxiliary contact module |
| <b>FITTED WITH:</b>    | Auxiliary contact                                                                          |
| <b>NUMBER OF POLES</b> | Three-pole                                                                                 |

|                                                                    |        |
|--------------------------------------------------------------------|--------|
| <b>660 V, 690 V</b>                                                |        |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V</b> | 6.6 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V</b>               | 6.6 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V</b>               | 5 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V</b>        | 3.4 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V</b>               | 20 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 12 V</b>                | 20 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V</b>               | 20 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 24 V</b>                | 20 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 60 V</b>                | 20 A   |
| <b>RATED OPERATIONAL POWER AT AC-3, 240 V, 50 HZ</b>               | 3 kW   |
| <b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>           | 5.5 kW |
| <b>RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ</b>               | 5.5 kW |
| <b>RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ</b>           | 1.5 kW |
| <b>RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ</b>               | 1.5 kW |
| <b>RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ</b>               | 3 kW   |
| <b>RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ</b>               | 3 kW   |
| <b>RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ</b>               | 3 kW   |

|                                                                  |                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 660/690<br/>V, 50 HZ</b> | 3 kW                                                                                                                                                                                                                                                                               |
| <b>RATED OPERATIONAL<br/>VOLTAGE (UE) AT AC -<br/>MAX</b>        | 690 V                                                                                                                                                                                                                                                                              |
| <b>SAFE ISOLATION</b>                                            | 300 V AC, Between the<br>contacts, According to EN<br>61140<br>300 V AC, Between coil<br>and contacts, According to<br>EN 61140<br>300 V AC, Between<br>auxiliary contacts,<br>According to EN 61140<br>300 V AC, Between coil<br>and auxiliary contacts,<br>According to EN 61140 |

## General information

|                    |                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <b>APPLICATION</b> | <ul style="list-style-type: none"> <li>• Contactors for Motors</li> <li>• Mini Contactors for Motors and Resistive Loads</li> </ul> |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------|

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DEGREE OF PROTECTION</b>                   | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>LIFESPAN, MECHANICAL</b>                   | 150,000 Operations (at 240 V, DC, L/R = 50 ms: 2 contacts in series 0.5 A)<br>200,000 Operations (at 240 V, AC-15)<br>5,000,000 Operations                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MOUNTING POSITION</b>                      | As required (except vertical with terminals A1/A2 at the bottom)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>OPERATING FREQUENCY</b>                    | 9000 mechanical Operations/h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <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> | 6000 V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>SHOCK RESISTANCE</b>                       | 10 g, N/O main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>20 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>20 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>10 g, N/C auxiliary contact, Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half- |

## Magnet system

|                                                                                        |                                                                                               |
|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>ARCING TIME</b>                                                                     | 12 ms at 690 V AC                                                                             |
| <b>CHANGEOVER TIME</b>                                                                 | 40 - 50 ms                                                                                    |
| <b>DUTY FACTOR</b>                                                                     | 100 %                                                                                         |
| <b>PICK-UP VOLTAGE</b>                                                                 | 0.8 - 1.1 V DC x U <sub>c</sub>                                                               |
| <b>POWER CONSUMPTION</b>                                                               | Smoothed DC voltage or three-phase bridge rectifier<br>2.3 VA/W at DC (Pick-up/Sealing power) |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX</b>                                   | 24 V                                                                                          |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN</b>                                   | 24 V                                                                                          |
| <b>SWITCHING TIME (AC OPERATED, N/O, WITH AUXILIARY CONTACT MODULE, CLOSING DELAY)</b> | 70 ms                                                                                         |
| <b>SWITCHING TIME (DC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX</b>                | 35 ms                                                                                         |
| <b>SWITCHING TIME (DC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN</b>                | 26 ms                                                                                         |
| <b>SWITCHING TIME (DC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX</b>                | 25 ms                                                                                         |
| <b>SWITCHING TIME (DC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN</b>                | 15 ms                                                                                         |

|                             |                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             | sinusoidal shock 10 ms<br>10 g, N/O main contact,<br>Basic unit without auxiliary<br>contact module,<br>Mechanical, according to<br>IEC/EN 60068-2-27, Half-<br>sinusoidal shock 10 ms                                                      |
| <b>UTILIZATION CATEGORY</b> | AC-1: Non-inductive or<br>slightly inductive loads,<br>resistance furnaces<br>AC-3: Normal AC induction<br>motors: starting, switch off<br>during running<br>AC-4: Normal AC induction<br>motors: starting, plugging,<br>reversing, inching |
| <b>VOLTAGE TYPE</b>         | DC                                                                                                                                                                                                                                          |

### Motor rating

**ASSIGNED MOTOR  
POWER AT 115/120 V, 60  
HZ, 1-PHASE** 0.5 HP

**ASSIGNED MOTOR  
POWER AT 200/208 V, 60  
HZ, 3-PHASE** 2 HP

**ASSIGNED MOTOR  
POWER AT 230/240 V, 60  
HZ, 1-PHASE** 1.5 HP

**ASSIGNED MOTOR  
POWER AT 230/240 V, 60  
HZ, 3-PHASE** 3 HP

**ASSIGNED MOTOR  
POWER AT 460/480 V, 60  
HZ, 3-PHASE** 5 HP

**ASSIGNED MOTOR  
POWER AT 575/600 V, 60  
HZ, 3-PHASE** 5 HP

### Short-circuit rating

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

**SHORT-CIRCUIT  
PROTECTION** 10 A fast, Max. Fuse 500V,  
Auxiliary contacts, Short-  
circuit rating without  
welding  
PKZM0-4, Maximum  
overcurrent protective  
device, Short-circuit  
protection only, Auxiliary  
contacts, Short-circuit  
rating without welding  
6 A gG/gL, Max. Fuse 500V,  
Auxiliary contacts, Short-  
circuit rating without  
welding

**SHORT-CIRCUIT  
PROTECTION RATING  
(TYPE 1 COORDINATION)  
AT 500 V** 35 A gG/gL

**SHORT-CIRCUIT  
PROTECTION RATING  
(TYPE 2 COORDINATION)  
AT 500 V** 20 A gG/gL

## Switching capacity

|                                                                     |                                                       |
|---------------------------------------------------------------------|-------------------------------------------------------|
| <b>SWITCHING CAPACITY<br/>(AUXILIARY CONTACTS,<br/>GENERAL USE)</b> | 0.5 A, 250 V DC, (UL/CSA)<br>10 A, 600 V AC, (UL/CSA) |
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|                                                                    |                                                                |
|--------------------------------------------------------------------|----------------------------------------------------------------|
| <b>SWITCHING CAPACITY<br/>(AUXILIARY CONTACTS,<br/>PILOT DUTY)</b> | P300, DC operated<br>(UL/CSA)<br>A600, AC operated<br>(UL/CSA) |
|--------------------------------------------------------------------|----------------------------------------------------------------|

|                                                                |                                        |
|----------------------------------------------------------------|----------------------------------------|
| <b>SWITCHING CAPACITY<br/>(MAIN CONTACTS,<br/>GENERAL USE)</b> | 15 A, Maximum motor<br>rating (UL/CSA) |
|----------------------------------------------------------------|----------------------------------------|

## Terminal capacities

|                   |                      |
|-------------------|----------------------|
| <b>SCREW SIZE</b> | M3.5, Terminal screw |
|-------------------|----------------------|

|                         |                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------|
| <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/>(MAIN CABLE)</b> | 8 mm |
|------------------------------------------|------|

|                                                          |                                                                      |
|----------------------------------------------------------|----------------------------------------------------------------------|
| <b>TERMINAL CAPACITY<br/>(FLEXIBLE WITH<br/>FERRULE)</b> | 2 x (0.75 - 1.5) mm <sup>2</sup><br>1 x (0.75 - 1.5) mm <sup>2</sup> |
|----------------------------------------------------------|----------------------------------------------------------------------|

|                                      |                                                                      |
|--------------------------------------|----------------------------------------------------------------------|
| <b>TERMINAL CAPACITY<br/>(SOLID)</b> | 1 x (0.75 - 2.5) mm <sup>2</sup><br>2 x (0.75 - 2.5) mm <sup>2</sup> |
|--------------------------------------|----------------------------------------------------------------------|

|                                                   |         |
|---------------------------------------------------|---------|
| <b>TERMINAL CAPACITY<br/>(SOLID/STRANDED AWG)</b> | 18 - 14 |
|---------------------------------------------------|---------|

|                          |                         |
|--------------------------|-------------------------|
| <b>TIGHTENING TORQUE</b> | 1.2 Nm, Screw terminals |
|--------------------------|-------------------------|

## 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-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-mini-contactor-declaration-of-conformity-eu250759en.pdf</a><br><a href="#">eaton-mini-contactor-declaration-of-conformity-uk251242en.pdf</a>                                                                                                                                                             |
| DRAWINGS                   | <a href="#">eaton-contactors-diler-dimensions-004.eps</a><br><a href="#">eaton-contactors-diler-dimensions-005.eps</a><br><a href="#">eaton-contactors-dilem-dimensions.eps</a><br><a href="#">eaton-contactors-3d-drawing-019.eps</a><br><a href="#">eaton-tripping-devices-mounting-diler-contactor-relay-symbol.eps</a> |
| ECAD MODEL                 | <a href="#">ETN.127137.edz</a>                                                                                                                                                                                                                                                                                             |
| INSTALLATION INSTRUCTIONS  | <a href="#">IL03407009Z</a>                                                                                                                                                                                                                                                                                                |
| MCAD MODEL                 | <a href="#">DA-CS-dil_em</a><br><a href="#">eaton-contactor-relays-mcad-drawings-dil-em.dwg</a>                                                                                                                                                                                                                            |
| PEP ECO-PASSPORT           | <a href="#">eaton-iec-contactors-pep-eato-00136-v0101-en.pdf</a>                                                                                                                                                                                                                                                           |
| SYSTEM OVERVIEW            | <a href="#">eaton-contactors-accessory-dilem-system-overview.eps</a>                                                                                                                                                                                                                                                       |
| WIRING DIAGRAMS            | <a href="#">eaton-contactors-contact-dilm-wiring-diagram-002.eps</a>                                                                                                                                                                                                                                                       |

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



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