

# Specifications



Photo is representative



## Eaton 051611

Eaton Moeller® series DILEEM Contactor, 110 V 50 Hz, 120 V 60 Hz, 3 pole, 380 V 400 V, 3 kW, Contacts N/O = Normally open= 1 N/O, Screw terminals, AC operation

### General specifications

|                             |                                                                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series DILEEM Mini contactor                                                                                                                                                                |
| <b>CATALOG NUMBER</b>       | 051611                                                                                                                                                                                                     |
| <b>MODEL CODE</b>           | DILEEM-10(110V50HZ,120V60HZ)                                                                                                                                                                               |
| <b>EAN</b>                  | 4015080516118                                                                                                                                                                                              |
| <b>PRODUCT LENGTH/DEPTH</b> | 52 mm                                                                                                                                                                                                      |
| <b>PRODUCT HEIGHT</b>       | 58 mm                                                                                                                                                                                                      |
| <b>PRODUCT WIDTH</b>        | 45 mm                                                                                                                                                                                                      |
| <b>PRODUCT WEIGHT</b>       | 0.17 kg                                                                                                                                                                                                    |
| <b>CERTIFICATIONS</b>       | UL 508<br>CSA<br>IEC/EN 60947<br>IEC/EN 60947-4-1<br>CSA File No.: 012528<br>UL File No.: E29096<br>CSA Class No.: 3211-04<br>UL Category Control No.: NLDX<br>UL<br>CSA-C22.2 No. 14-05<br>VDE 0660<br>CE |
| <b>CATALOG NOTES</b>        | Also tested according to AC-3e.                                                                                                                                                                            |



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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, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |

## 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) | 0                                                                                                                              |
| NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)   | 1                                                                                                                              |

## 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>                               | 0.6 W                                                              |
| <b>HEAT DISSIPATION CAPACITY PDISS</b>                                                  | 0 W                                                                |
| <b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>                                | 0.2 W                                                              |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>                    | 6.6 A                                                              |
| <b>STATIC HEAT</b>                                                                      | 1.8 W                                                              |



## Electrical rating

**RATED BREAKING  
CAPACITY AT 220/230 V** 90 A

**RATED BREAKING  
CAPACITY AT 380/400 V** 90 A

**RATED BREAKING  
CAPACITY AT 500 V** 64 A

**RATED BREAKING  
CAPACITY AT 660/690 V** 42 A

**RATED INSULATION  
VOLTAGE (UI)** 690 V

**RATED MAKING  
CAPACITY UP TO 440 V  
(COS PHI TO IEC/EN  
60947)** 110 A

**RATED OPERATIONAL  
CURRENT (IE)** 2.5 A at 24 V, DC L/R  $\leq$  15 ms (with 1 contact in series)  
0.5 A at 220 V, DC L/R  $\leq$  15 ms (with 3 contacts in series)  
1.5 A at 100 V, DC L/R  $\leq$  15 ms (with 3 contacts in series)  
2.5 A at 60 V, DC L/R  $\leq$  15 ms (with 2 contacts in series)

**RATED OPERATIONAL  
CURRENT (IE) AT AC-1,  
380 V, 400 V, 415 V** 22 A

**RATED OPERATIONAL  
CURRENT (IE) AT AC-15,  
220 V, 230 V, 240 V** 6 A

**RATED OPERATIONAL  
CURRENT (IE) AT AC-15,  
380 V, 400 V, 415 V** 3 A

**RATED OPERATIONAL  
CURRENT (IE) AT AC-15,  
500 V** 1.5 A

**RATED OPERATIONAL  
CURRENT (IE) AT AC-3,  
220 V, 230 V, 240 V** 6.6 A

**RATED OPERATIONAL  
CURRENT (IE) AT AC-3,  
380 V, 400 V, 415 V** 6.6 A

**RATED OPERATIONAL  
CURRENT (IE) AT AC-3,  
440 V** 6.6 A

**RATED OPERATIONAL  
CURRENT (IE) AT AC-3,  
500 V** 5 A

**RATED OPERATIONAL  
CURRENT (IE) AT AC-3,** 3.5 A

## Features & functions

### FEATURES

Positive operating contacts to EN 60947-5-1 appendix L, including auxiliary contact module

**FITTED WITH:** Auxiliary contact

**NUMBER OF POLES** Three-pole

|                                                                    |        |
|--------------------------------------------------------------------|--------|
| <b>660 V, 690 V</b>                                                |        |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V</b> | 5 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V</b>               | 5 A    |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 500 V</b>               | 3.7 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 660 V, 690 V</b>        | 2.9 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>               | 1.8 kW |
| <b>RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ</b>           | 3 kW   |
| <b>RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ</b>               | 3.1 kW |
| <b>RATED OPERATIONAL POWER AT AC-4, 220/230 V, 50 HZ</b>           | 1.1 kW |
| <b>RATED OPERATIONAL POWER AT AC-4, 240 V, 50 HZ</b>               | 1.3 kW |
| <b>RATED OPERATIONAL POWER AT AC-4, 415 V, 50 HZ</b>               | 2.3 kW |
| <b>RATED OPERATIONAL POWER AT AC-4, 440 V, 50 HZ</b>               | 2.4 kW |
| <b>RATED OPERATIONAL POWER AT AC-4, 500 V, 50 HZ</b>               | 2.2 kW |

|                                                                  |                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 660/690<br/>V, 50 HZ</b> | 2.2 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 auxiliary contacts,<br>According to EN 61140<br>300 V AC, Between<br>auxiliary contacts,<br>According to EN 61140<br>300 V AC, Between coil<br>and contacts, According to<br>EN 61140 |

## General information

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>APPLICATION</b>                            | Mini Contactors for Motors and Resistive Loads                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>DEGREE OF PROTECTION</b>                   | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>LIFESPAN, MECHANICAL</b>                   | 10,000,000 Operations<br>7,000,000 Operations (Coil 50/60 Hz)<br>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)                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <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 without 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/O main contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>8 g, N/O auxiliary contact, |

## Magnet system

|                                                                         |                                                                                                                                                                                                    |
|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ARCING TIME</b>                                                      | 12 ms at 690 V AC                                                                                                                                                                                  |
| <b>CHANGEOVER TIME</b>                                                  | 16 - 21 ms                                                                                                                                                                                         |
| <b>DUTY FACTOR</b>                                                      | 100 %                                                                                                                                                                                              |
| <b>PICK-UP VOLTAGE</b>                                                  | 0.8 - 1.1 V AC x U <sub>c</sub> (voltage tolerance - single-voltage coil 50 Hz and dual-voltage coil 50 Hz, 60 Hz)<br>1.1 V AC x U <sub>c</sub> (voltage tolerance - dual frequency coil 50/60 Hz) |
| <b>POWER CONSUMPTION, PICK-UP, 50 HZ</b>                                | 25 VA, AC, Single-frequency coil 50 Hz and Dual-frequency coil 50/60 Hz<br>22 W, AC, Single-frequency coil 50 Hz and Dual-frequency coil 50/60 Hz                                                  |
| <b>POWER CONSUMPTION, PICK-UP, 60 HZ</b>                                | 22 W, AC, Single-frequency coil 50 Hz and Dual-frequency coil 50/60 Hz<br>25 VA, AC, Single-frequency coil 50 Hz and Dual-frequency coil 50/60 Hz                                                  |
| <b>POWER CONSUMPTION, SEALING, 50 HZ</b>                                | 1.8 W, AC, Single-frequency coil 50 Hz and Dual-frequency coil 50/60 Hz<br>4.6 VA, AC, Single-frequency coil 50 Hz and Dual-frequency coil 50/60 Hz                                                |
| <b>POWER CONSUMPTION, SEALING, 60 HZ</b>                                | 1.8 W, AC, Single-frequency coil 50 Hz and Dual-frequency coil 50/60 Hz                                                                                                                            |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b>             | 110 V                                                                                                                                                                                              |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b>             | 110 V                                                                                                                                                                                              |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b>             | 120 V                                                                                                                                                                                              |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b>             | 120 V                                                                                                                                                                                              |
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX</b> | 21 ms                                                                                                                                                                                              |

|                             |                                                                                                                                                                                                                           |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                             | Basic unit without auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms                                                                                                      |
| <b>SUITABLE FOR</b>         | Also motors with efficiency class IE3                                                                                                                                                                                     |
| <b>UTILIZATION CATEGORY</b> | AC-1: Non-inductive or slightly inductive loads, resistance furnaces<br>AC-3: Normal AC induction motors: starting, switch off during running<br>AC-4: Normal AC induction motors: starting, plugging, reversing, inching |
| <b>VOLTAGE TYPE</b>         | AC                                                                                                                                                                                                                        |

|                                                                                        |       |
|----------------------------------------------------------------------------------------|-------|
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN</b>                | 14 ms |
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MAX</b>                | 18 ms |
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, OPENING DELAY) - MIN</b>                | 8 ms  |
| <b>SWITCHING TIME (AC OPERATED, N/O, WITH AUXILIARY CONTACT MODULE, CLOSING DELAY)</b> | 45 ms |

## Motor rating

|                                                          |         |
|----------------------------------------------------------|---------|
| <b>ASSIGNED MOTOR POWER AT 115/120 V, 60 HZ, 1-PHASE</b> | 0.25 HP |
| <b>ASSIGNED MOTOR POWER AT 200/208 V, 60 HZ, 3-PHASE</b> | 1.5 HP  |
| <b>ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 1-PHASE</b> | 1 HP    |
| <b>ASSIGNED MOTOR POWER AT 230/240 V, 60 HZ, 3-PHASE</b> | 2 HP    |
| <b>ASSIGNED MOTOR POWER AT 460/480 V, 60 HZ, 3-PHASE</b> | 3 HP    |
| <b>ASSIGNED MOTOR POWER AT 575/600 V, 60 HZ, 3-PHASE</b> | 3 HP    |

## Short-circuit rating

|                                                                       |                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SHORT-CIRCUIT CURRENT RATING (BASIC RATING)</b>                    | 45 A, max. Fuse, SCCR (UL/CSA)<br>5 kA, SCCR (UL/CSA)                                                                                                                                                                                                                                                                 |
| <b>SHORT-CIRCUIT PROTECTION</b>                                       | 10 A fast, Max. Fuse 500V, Auxiliary contacts, Short-circuit rating without welding<br>6 A gG/gL, Max. Fuse 500V, Auxiliary contacts, Short-circuit rating without welding<br>PKZM0-4, Maximum overcurrent protective device, Short-circuit protection only, Auxiliary contacts, Short-circuit rating without welding |
| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 500 V</b> | 20 A gG/gL                                                                                                                                                                                                                                                                                                            |
| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 500 V</b> | 10 A gG/gL                                                                                                                                                                                                                                                                                                            |

## Switching capacity

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

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

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

|                                                          |                                                                      |
|----------------------------------------------------------|----------------------------------------------------------------------|
| <b>TERMINAL CAPACITY<br/>(FLEXIBLE WITH<br/>FERRULE)</b> | 1 x (0.75 - 1.5) mm <sup>2</sup><br>2 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-short-time-loading-dilm-characteristic-curve.eps</a><br><a href="#">eaton-contactors-component-dilm-characteristic-curve-003.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-005.eps</a><br><a href="#">eaton-contactors-dilem-dimensions.eps</a><br><a href="#">eaton-contactors-diler-dimensions-004.eps</a><br><a href="#">eaton-general-ie-ready-dilm-contactor-standards.eps</a><br><a href="#">eaton-tripping-devices-mounting-diler-contactor-relay-symbol.eps</a> |
| ECAD MODEL                 | <a href="#">ETN.051611.edz</a>                                                                                                                                                                                                                                                                                                             |
| INSTALLATION INSTRUCTIONS  | <a href="#">IL03407009Z</a>                                                                                                                                                                                                                                                                                                                |
| MCAD MODEL                 | <a href="#">eaton-contactor-relays-mcad-drawings-dil-em.dwg</a><br><a href="#">DA-CS-dil_em</a>                                                                                                                                                                                                                                            |
| PEP ECO-PASSPORT           | <a href="#">eaton-iec-contactors-pep-eato-00133-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.eps</a>                                                                                                                                                                                                                                                                           |

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



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