

# Specifications



Photo is representative



## Eaton 276725

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 4 kW, 1 NC, 230 V 50 Hz, 240 V 60 Hz, AC operation, Screw terminals DILM9-01(230V50HZ,240V60HZ)

### General specifications

|                             |                                                                                                                                                                                                                                  |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>         | Eaton Moeller® series DILM contactor                                                                                                                                                                                             |
| <b>CATALOG NUMBER</b>       | 276725                                                                                                                                                                                                                           |
| <b>MODEL CODE</b>           | DILM9-01(230V50HZ,240V60HZ)                                                                                                                                                                                                      |
| <b>EAN</b>                  | 4015082767259                                                                                                                                                                                                                    |
| <b>PRODUCT LENGTH/DEPTH</b> | 75 mm                                                                                                                                                                                                                            |
| <b>PRODUCT HEIGHT</b>       | 68 mm                                                                                                                                                                                                                            |
| <b>PRODUCT WIDTH</b>        | 45 mm                                                                                                                                                                                                                            |
| <b>PRODUCT WEIGHT</b>       | 0.24 kg                                                                                                                                                                                                                          |
| <b>CERTIFICATIONS</b>       | CSA-C22.2 No. 60947-4-1-14<br>CSA File No.: 012528<br>IEC/EN 60947-4-1<br>CSA<br>UL File No.: E29096<br>UL<br>VDE 0660<br>CSA Class No.: 2411-03, 3211-04<br>CE<br>IEC/EN 60947<br>UL 60947-4-1<br>UL Category Control No.: NLDX |
| <b>CATALOG NOTES</b>        | Contacts according to EN 50012                                                                                                                                                                                                   |

## Ambient conditions, mechanical

### SHOCK RESISTANCE

5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms  
5.7 g, N/O main contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms  
3.4 g, N/C 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  
3.4 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27 when tabletop-mounted, Half-sinusoidal shock 10 ms

## Communication

**CONNECTION TO SMARTWIRE-DT** No

## 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

## Contacts

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

**NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)** 1

**NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)** 0

**NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)** 1

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

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

**CONVENTIONAL  
THERMAL CURRENT I<sub>TH</sub>  
(1-POLE, ENCLOSED)** 45 A

**CONVENTIONAL  
THERMAL CURRENT I<sub>TH</sub>  
(3-POLE, ENCLOSED)** 18 A

**CONVENTIONAL  
THERMAL CURRENT I<sub>TH</sub>  
AT 55°C (3-POLE, OPEN)** 21 A

**CONVENTIONAL  
THERMAL CURRENT I<sub>TH</sub>  
AT 60°C (3-POLE, OPEN)** 20 A

**CONVENTIONAL  
THERMAL CURRENT I<sub>TH</sub>  
OF MAIN CONTACTS (1-  
POLE, OPEN)** 50 A

## 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.

### 10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS

Meets the product standard's requirements.

### 10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION

Meets the product standard's requirements.

### 10.2.5 LIFTING

Does not apply, since the entire switchgear needs to be evaluated.

### 10.2.6 MECHANICAL IMPACT

Does not apply, since the entire switchgear needs to be evaluated.

### 10.2.7 INSCRIPTIONS

Meets the product standard's requirements.

### 10.3 DEGREE OF PROTECTION OF ASSEMBLIES

Does not apply, since the entire switchgear needs to be evaluated.

### 10.4 CLEARANCES AND CREEPAGE DISTANCES

Meets the product standard's requirements.

### 10.5 PROTECTION

Does not apply, since the

|                                                                      |                                                                    |
|----------------------------------------------------------------------|--------------------------------------------------------------------|
| <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>            | 0 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> | 9 A                                                                |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>            | 1.4 W                                                              |

## Electrical rating

|                                             |      |
|---------------------------------------------|------|
| <b>RATED BREAKING CAPACITY AT 220/230 V</b> | 90 A |
|---------------------------------------------|------|

|                                             |      |
|---------------------------------------------|------|
| <b>RATED BREAKING CAPACITY AT 380/400 V</b> | 90 A |
|---------------------------------------------|------|

|                                         |      |
|-----------------------------------------|------|
| <b>RATED BREAKING CAPACITY AT 500 V</b> | 70 A |
|-----------------------------------------|------|

|                                             |      |
|---------------------------------------------|------|
| <b>RATED BREAKING CAPACITY AT 660/690 V</b> | 50 A |
|---------------------------------------------|------|

|                                      |       |
|--------------------------------------|-------|
| <b>RATED INSULATION VOLTAGE (UI)</b> | 690 V |
|--------------------------------------|-------|

|                                                                    |       |
|--------------------------------------------------------------------|-------|
| <b>RATED MAKING CAPACITY UP TO 690 V (COS PHI TO IEC/EN 60947)</b> | 112 A |
|--------------------------------------------------------------------|-------|

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|--------------------------------------------------------------------|------|
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-1, 380 V, 400 V, 415 V</b> | 22 A |
|--------------------------------------------------------------------|------|

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V</b> | 9 A |
|--------------------------------------------------------------------|-----|

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b> | 9 A |
|--------------------------------------------------------------------|-----|

|                                                      |     |
|------------------------------------------------------|-----|
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V</b> | 9 A |
|------------------------------------------------------|-----|

|                                                      |     |
|------------------------------------------------------|-----|
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b> | 7 A |
|------------------------------------------------------|-----|

|                                                             |     |
|-------------------------------------------------------------|-----|
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V</b> | 5 A |
|-------------------------------------------------------------|-----|

|                                                                    |     |
|--------------------------------------------------------------------|-----|
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V</b> | 6 A |
|--------------------------------------------------------------------|-----|

|                                                      |     |
|------------------------------------------------------|-----|
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V</b> | 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> | 4.5 A |
|-------------------------------------------------------------|-------|

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|------------------------------------------------------|------|
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 110 V</b> | 20 A |
|------------------------------------------------------|------|

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|------------------------------------------------------|------|
| <b>RATED OPERATIONAL CURRENT (IE) AT DC-1, 220 V</b> | 15 A |
|------------------------------------------------------|------|

## Electro magnetic compatibility

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

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

|                                                                  |        |
|------------------------------------------------------------------|--------|
| <b>RATED OPERATIONAL<br/>CURRENT (IE) AT DC-1, 60<br/>V</b>      | 20 A   |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 240 V, 50<br/>HZ</b>     | 3 kW   |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 380/400<br/>V, 50 HZ</b> | 4 kW   |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 415 V, 50<br/>HZ</b>     | 5.5 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 440 V, 50<br/>HZ</b>     | 5.5 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 500 V, 50<br/>HZ</b>     | 4.5 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 690 V, 50<br/>HZ</b>     | 4.5 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 220/230<br/>V, 50 HZ</b> | 1.5 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 240 V, 50<br/>HZ</b>     | 1.6 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 415 V, 50<br/>HZ</b>     | 2.8 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 440 V, 50<br/>HZ</b>     | 3 kW   |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 500 V, 50<br/>HZ</b>     | 2.8 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 660/690<br/>V, 50 HZ</b> | 3.6 kW |
| <b>RATED OPERATIONAL<br/>VOLTAGE (UE) AT AC -<br/>MAX</b>        | 690 V  |

| Features & functions   |                |
|------------------------|----------------|
| <b>FITTED WITH:</b>    | Mirror contact |
| <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> | IP20                                |
| <b>LIFESPAN, MECHANICAL</b> | 10,000,000 Operations (AC operated) |
| <b>OPERATING FREQUENCY</b>  | 9000 mechanical                     |

|                                               |                                                                                                                                                                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                               | Operations/h (AC 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>                    | 2.5 mΩ                                                                                                                                                                                                                    |
| <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>FRAME SIZE</b>                             | FS1                                                                                                                                                                                                                       |

## Magnet system

|                                                                         |                                                                                                                                         |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>ARCING TIME</b>                                                      | 10 ms                                                                                                                                   |
| <b>DROP-OUT VOLTAGE</b>                                                 | AC operated: 0.6 - 0.3 x Uc, AC operated                                                                                                |
| <b>DUTY FACTOR</b>                                                      | 100 %                                                                                                                                   |
| <b>PICK-UP VOLTAGE</b>                                                  | 0.8 - 1.1 V AC x Uc                                                                                                                     |
| <b>POWER CONSUMPTION, PICK-UP, 50 HZ</b>                                | 24 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz                                                                       |
| <b>POWER CONSUMPTION, PICK-UP, 60 HZ</b>                                | 30 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz                                                                       |
| <b>POWER CONSUMPTION, SEALING, 50 HZ</b>                                | 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz<br>3.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 50 Hz |
| <b>POWER CONSUMPTION, SEALING, 60 HZ</b>                                | 1.4 W, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz<br>4.4 VA, Dual-frequency coil in a cold state and 1.0 x Us, at 60 Hz |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b>             | 230 V                                                                                                                                   |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b>             | 230 V                                                                                                                                   |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b>             | 240 V                                                                                                                                   |
| <b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b>             | 240 V                                                                                                                                   |
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MAX</b> | 21 ms                                                                                                                                   |
| <b>SWITCHING TIME (AC OPERATED, MAKE CONTACTS, CLOSING DELAY) - MIN</b> | 15 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> | 9 ms                                                                                                                                    |

## 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** 3 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** 7.5 HP

## Safety

### SAFE ISOLATION

400 V AC, Between coil and contacts, According to EN 61140  
400 V AC, Between the contacts, According to EN 61140

## Short-circuit rating

**SHORT-CIRCUIT CURRENT RATING (BASIC RATING)** 5 kA, 30 A max. fuse, SCCR (UL/CSA)  
5 kA, 30 A max. CB, SCCR (UL/CSA)

**SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)** 100 kA, 20 A CLASS J max. fuse, SCCR (UL/CSA)  
30 kA, 25 A CLASS RK5 max. fuse, SCCR (UL/CSA)  
65 kA, 16 A max. CB, SCCR (UL/CSA)

**SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)** 100 kA, 20 A CLASS J max. fuse, SCCR (UL/CSA)  
30 kA, 25 A CLASS RK5 max. fuse, SCCR (UL/CSA)

**SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V** 35 A gG/gL

**SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V** 20 A gG/gL

**SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V** 20 A gG/gL

**SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V** 16 A gG/gL

## Special purpose ratings

### SPECIAL PURPOSE RATING OF DEFINITE PURPOSE RATING

9 A, FLA 480 V 60 Hz 3-ph,  
100,000 cycles acc. to UL  
1995, (UL/CSA)  
54 A, LRA 480 V 60 Hz 3-  
ph, 100,000 cycles acc. to  
UL 1995, (UL/CSA)

### SPECIAL PURPOSE RATING OF ELEVATOR CONTROL

7.8 A, 200 V 60 Hz 3-ph,  
(UL/CSA)  
6.1 A, 600 V 60 Hz 3-ph,  
(UL/CSA)  
2 HP, 200 V 60 Hz 3-ph,  
(UL/CSA)  
6.8 A, 240 V 60 Hz 3-ph,  
(UL/CSA)  
5 HP, 600 V 60 Hz 3-ph,  
(UL/CSA)  
3 HP, 480 V 60 Hz 3-ph,  
(UL/CSA)  
2 HP, 240 V 60 Hz 3-ph,  
(UL/CSA)  
4.8 A, 480 V 60 Hz 3-ph,  
(UL/CSA)

### SPECIAL PURPOSE RATING OF REFRIGERATION CONTROL (CSA ONLY)

10 A, FLA 480 V 60 Hz  
3phase; (CSA)  
10 A, FLA 600 V 60 Hz  
3phase; (CSA)  
60 A, LRA 600 V 60 Hz  
3phase; (CSA)  
60 A, LRA 480 V 60 Hz  
3phase; (CSA)

### SPECIAL PURPOSE RATING OF RESISTANCE AIR HEATING

18 A, 480 V 60 Hz 3phase,  
277 V 60 Hz 1phase,  
(UL/CSA)  
18 A, 600 V 60 Hz 3phase,  
347 V 60 Hz 1phase,  
(UL/CSA)

### SPECIAL PURPOSE RATING OF TUNGSTEN INCANDESCENT LAMPS

14 A, 600 V 60 Hz 3phase,  
347 V 60 Hz 1phase,  
(UL/CSA)  
14 A, 480 V 60 Hz 3phase,  
277 V 60 Hz 1phase,  
(UL/CSA)

### SPECIAL PURPOSE RATING OF BALLAST ELECTRICAL DISCHARGE LAMPS

18 A (600V 60Hz 3phase,  
347V 60Hz 1phase)  
18 A (480V 60Hz 3phase,  
277V 60Hz 1phase)

## Switching capacity

### SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)

1 A, 250 V DC, (UL/CSA)  
10 A, 600 V AC, (UL/CSA)

### SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)

A600, AC operated  
(UL/CSA)  
P300, DC operated  
(UL/CSA)

### SWITCHING CAPACITY (MAIN CONTACTS, GENERAL USE)

20 A, Maximum motor  
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/>(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 - 4) mm <sup>2</sup><br>2 x (0.75 - 2.5) mm <sup>2</sup>                                           |
| <b>TIGHTENING TORQUE</b>                                 | 1.2 Nm, Screw terminals                                                                                      |
| <b>TERMINAL CAPACITY<br/>(FLEXIBLE WITH<br/>FERRULE)</b> | 2 x (0.75 - 2.5) mm <sup>2</sup><br>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>        | Single 18 - 10, double 18 -<br>14                                                                            |

## Resources

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOGUES                 | <a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                        |
| CHARACTERISTIC CURVE       | <a href="#">eaton-contactors-switch-dilm-characteristic-curve.eps</a><br><br><a href="#">eaton-contactors-component-dilm-characteristic-curve-003.eps</a><br><br><a href="#">eaton-contactors-switch-dilm-characteristic-curve-002.eps</a>                                                                                                                                                                                                                                                    |
| DECLARATIONS OF CONFORMITY | <a href="#">eaton-contactor-declaration-of-conformity-uk251209en.pdf</a><br><br><a href="#">eaton-contactor-declaration-of-conformity-eu250726en.pdf</a>                                                                                                                                                                                                                                                                                                                                      |
| DRAWINGS                   | <a href="#">eaton-contactors-mounting-dilm-dimensions-002.eps</a><br><br><a href="#">eaton-contactors-module-dilm-dimensions.eps</a><br><br><a href="#">eaton-contactors-mounting-dilm-dimensions.eps</a><br><br><a href="#">eaton-contactors-frame-dilm-dimensions.eps</a><br><br><a href="#">eaton-contactors-module-dilm-dimensions-002.eps</a><br><br><a href="#">eaton-general-ie-ready-dilm-contactor-standards.eps</a><br><br><a href="#">eaton-contactors-dilm-3d-drawing-007.eps</a> |
| ECAD MODEL                 | <a href="#">ETN.276725.edz</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| INSTALLATION INSTRUCTIONS  | <a href="#">eaton-contactors-dila-dilm7-15-dilmp20-il03407013z.pdf</a>                                                                                                                                                                                                                                                                                                                                                                                                                        |
| INSTALLATION VIDEOS        | <a href="#">WIN-WIN with push-in technology</a>                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MCAD MODEL                 | <a href="#">eaton-iec-contactors-mcad-drawings-dil-m7-15.dwg</a><br><br><a href="#">DA-CS-dil_m7_15</a>                                                                                                                                                                                                                                                                                                                                                                                       |

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| PEP ECO-PASSPORT | <a href="#">eaton-iec-contactors-pep-eato-00023-v0101-en.pdf</a>    |
| SYSTEM OVERVIEW  | <a href="#">eaton-contactors-dilm-contactor-system-overview.eps</a> |
| WIRING DIAGRAMS  | <a href="#">eaton-contactors-wiring-diagram-2100swi-117.eps</a>     |

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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