

# Specifications



Photo is representative



## Eaton 208214

Eaton Moeller® series DILM Contactor, 380 V 400 V 265 kW, 2 N/O, 2 NC, RAC 500: 250 - 500 V 40 - 60 Hz/250 - 700 V DC, AC and DC operation, Screw connection

### General specifications

|                     |                                      |
|---------------------|--------------------------------------|
| <b>PRODUCT NAME</b> | Eaton Moeller® series DILM Contactor |
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| <b>CATALOG NUMBER</b> | 208214 |
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|                   |                    |
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| <b>MODEL CODE</b> | DILM500/22(RAC500) |
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|            |               |
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| <b>EAN</b> | 4015082082147 |
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| <b>PRODUCT LENGTH/DEPTH</b> | 216 mm |
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| <b>PRODUCT HEIGHT</b> | 219 mm |
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| <b>PRODUCT WIDTH</b> | 160 mm |
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| <b>PRODUCT WEIGHT</b> | 8.662 kg |
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### CERTIFICATIONS

IEC/EN 60947-4-1  
VDE 0660  
UL Category Control No.: NLDX  
UL 60947-4-1  
UL File No.: E29096  
CSA Class No.: 3211-04  
UL/CSA  
CSA file No. 012528  
North America (UL listed, CSA certified)  
EN 45545: Fire protection on railway vehicles  
IEC 61373: Vibration and shock, tested for category 1 class B  
CE marking

### CATALOG NOTES

- Contacts according to EN 50012
- Also tested according to AC-3e up to 500 V.
- Also suitable for motors with efficiency class IE3.

- EN 45545 - Fire protection on railway vehicles:  
Fire protection class of all plastics according to UL94: V-0 / plastic weight in total: 2.576 kg
- Conventional thermal current I<sub>th</sub> of main contacts (1-pole, open) at 60°

## General

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| <b>ACCESSORIES</b>                            | Fitting options auxiliary contacts: on the side: 2 x DILM820-XHI11(V)-SI; 2 x DILM820-XHI11-SA   |
| <b>APPLICATION</b>                            | Contactors for Motors  |
| <b>CONNECTION</b>                             | Screw terminals  |
| <b>DEGREE OF PROTECTION</b>                   | IP00   |
| <b>ELECTROMAGNETIC COMPATIBILITY</b>          | Designed for operation in industrial environments. Its use in residential environments may cause radio-frequency interference, requiring additional noise suppression. |
| <b>FITTED WITH:</b>                           | Suppressor circuit in actuating electronics  |
| <b>LIFESPAN, ELECTRICAL</b>                   | 100,000 Operations (at Condensor operation)  |
| <b>LIFESPAN, MECHANICAL</b>                   | 7,000,000 Operations (AC operated)<br>7,000,000 Operations (DC operated)   |
| <b>OPERATING FREQUENCY</b>                    | 200 Operations/h<br>2000 mechanical Operations/h (AC operated)<br>2000 mechanical Operations/h (DC operated)   |
| <b>OVERVOLTAGE CATEGORY</b>                   | III  |
| <b>POLLUTION DEGREE</b>                       | 3  |
| <b>PRODUCT CATEGORY</b>                       | Contactors   |
| <b>PROTECTION</b>                             | Finger and back-of-hand proof with terminal shroud or terminal block, Protection against direct contact when actuated from front (EN 50274)                            |
| <b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b> | 8000 V AC  |
| <b>RESISTANCE</b>                             | 500 mΩ (Admissible transitional contact resistance - of the external control circuit device when actuating A11)  |
| <b>SHOCK RESISTANCE</b>                       | 8 g, N/C auxiliary contact,  |

## Climatic environmental conditions

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| <b>ALTITUDE</b>                                       | Max. 2000 m  |
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>            | -40 °C   |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>            | 60 °C  |
| <b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN</b> | -40 °C   |
| <b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX</b> | 40 °C  |
| <b>AMBIENT STORAGE TEMPERATURE - MIN</b>              | -40 °C   |
| <b>AMBIENT STORAGE TEMPERATURE - MAX</b>              | 80 °C  |
| <b>CLIMATIC PROOFING</b>                              | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78 |

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|                             | Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>10 g, N/O auxiliary contact,<br>Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>10 g, N/O main contact,<br>Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms |
| <b>SIGNAL LEVEL</b>         | 5 V - 15 V, PLC signal level (A3 - A4) to IEC/EN 61131-2 (type 2), Magnet systems  |
| <b>UTILIZATION CATEGORY</b> | AC-4: Normal AC induction motors: starting, plugging, reversing, inching<br>AC-1: Non-inductive or slightly inductive loads, resistance furnaces<br>AC-3: Normal AC induction motors: starting, switch off during running  |
| <b>VOLTAGE TYPE</b>         | AC/DC  |

## Terminal capacities

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| <b>TERMINAL CAPACITY (BUSBAR)</b>                  | 30 mm width, Main connection   |
| <b>TERMINAL CAPACITY (COPPER BAND)</b>             | Fixing with flat cable terminal or cable terminal blocks; See terminal capacity for cable terminal blocks              |
| <b>TERMINAL CAPACITY (FLEXIBLE WITH CABLE LUG)</b> | 50 - 240 mm <sup>2</sup>   |
| <b>TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)</b>   | 2 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables<br>1 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables |
| <b>TERMINAL CAPACITY (SOLID)</b>                   | 1 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables<br>2 x (0.75 - 2.5) mm <sup>2</sup> , Control circuit cables |
| <b>TERMINAL CAPACITY (SOLID/STRANDED AWG)</b>      | 18 - 14, Control circuit cables<br>2/0 - 500 MCM, Main cables  |
| <b>TERMINAL CAPACITY (STRANDED WITH CABLE LUG)</b> | 70 - 240 mm <sup>2</sup>   |
| <b>WIDTH ACROSS FLATS</b>                          | 16 mm  |
| <b>SCREW SIZE</b>                                  | M3.5, Terminal screw, Control circuit cables<br>M10, Terminal screw, Main connections                                  |
| <b>SCREWDRIVER SIZE</b>                            | 2, Terminal screw, Control circuit cables, Pozidriv screwdriver  |
| <b>TIGHTENING TORQUE</b>                           | 24 Nm, Main cable connection screw/bolt<br>1.2 Nm, Screw terminals, Control circuit cables                             |

## Electrical rating

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| <b>INRUSH CURRENT</b>  | Max. 30 x I <sub>e</sub> (peak)  |
| <b>RATED BREAKING CAPACITY AT 220/230 V</b>                        | 5000 A   |
| <b>RATED BREAKING CAPACITY AT 380/400 V</b>                        | 5000 A   |
| <b>RATED BREAKING CAPACITY AT 500 V</b>                            | 5000 A   |
| <b>RATED BREAKING CAPACITY AT 660/690 V</b>                        | 5000 A   |
| <b>RATED BREAKING CAPACITY AT 1000 V</b>                           | 950 A  |
| <b>RATED INSULATION VOLTAGE (UI)</b>                               | 1000 V   |
| <b>RATED MAKING CAPACITY (COS PHI TO IEC/EN 60947)</b>             | 5500 A   |
| <b>RATED OPERATIONAL CURRENT (IE)</b>                              | 307 A at up to 525 V (Individual compensation, three-phase capacitors, open)<br>177 A at 690 V (Individual compensation, three-phase capacitors, open) |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V</b> | 500 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V</b> | 500 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 440 V</b>               | 500 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 500 V</b>               | 500 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V</b>        | 325 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-3, 1000 V</b>              | 95 A   |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 220 V, 230 V, 240 V</b> | 360 A  |
| <b>RATED OPERATIONAL CURRENT (IE) AT AC-4, 440 V</b>               | 360 A  |
| <b>RATED OPERATIONAL</b>   | 360 A  |

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| <b>CURRENT (IE) AT AC-4,<br/>500 V</b>                              |        |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) AT AC-4,<br/>660 V, 690 V</b> | 260 A  |
| <b>RATED OPERATIONAL<br/>CURRENT (IE) AT AC-4,<br/>1000 V</b>       | 95 A   |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 240 V, 50<br/>HZ</b>        | 170 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 380/400<br/>V, 50 HZ</b>    | 250 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 415 V, 50<br/>HZ</b>        | 290 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 440 V, 50<br/>HZ</b>        | 315 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 500 V, 50<br/>HZ</b>        | 355 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 690 V, 50<br/>HZ</b>        | 300 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-3, 1000 V,<br/>50 HZ</b>       | 132 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 220/230<br/>V, 50 HZ</b>    | 112 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 240 V, 50<br/>HZ</b>        | 122 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 415 V, 50<br/>HZ</b>        | 216 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 440 V, 50<br/>HZ</b>        | 229 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 500 V, 50<br/>HZ</b>        | 250 kW |
| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 660/690<br/>V, 50 HZ</b>    | 240 kW |
| <b>RATED OPERATIONAL<br/>VOLTAGE (UE) AT AC -<br/>MAX</b>           | 1000 V |

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| <b>RATED OPERATIONAL<br/>POWER AT AC-4, 1000 V,<br/>50 HZ</b>    | 132 kW   |
| <b>SAFE ISOLATION</b>  | 1000 V AC, Between coil<br>and contacts, According to<br>EN 61140  |
| <b>SPECIAL PURPOSE<br/>RATING OF DEFINITE<br/>PURPOSE RATING</b> | 520 A, FLA 600 V 60 Hz 3-<br>ph, 100,000 cycles acc. to<br>UL 1995, (UL/CSA)<br>3900 A, LRA 480 V 60 Hz 3-<br>ph, 100,000 cycles acc. to<br>UL 1995, (UL/CSA)<br>3120 A, LRA 600 V 60 Hz 3-<br>ph, 100,000 cycles acc. to<br>UL 1995, (UL/CSA)<br>635 A, FLA 480 V 60 Hz 3-<br>ph, 100,000 cycles acc. to<br>UL 1995, (UL/CSA) |

## Short-circuit rating

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| <b>SHORT-CIRCUIT CURRENT RATING (BASIC RATING)</b> | 30 kA, SCCR (UL/CSA)<br>800 A, max. Fuse, SCCR (UL/CSA)<br>600 A, max. CB, SCCR (UL/CSA) |
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| <b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)</b> | 30/100 kA, Fuse, SCCR (UL/CSA)<br>100 kA, CB, SCCR (UL/CSA)<br>600 A, max. CB, SCCR (UL/CSA)<br>800/600 A, Class J, max. Fuse, SCCR (UL/CSA) |
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| <b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)</b> | 800/600 A, Class J, max. Fuse, SCCR (UL/CSA)<br>30 kA, CB, SCCR (UL/CSA)<br>30/100 kA, Fuse, SCCR (UL/CSA)<br>600 A, max. CB, SCCR (UL/CSA) |
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| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 1000 V</b> | 250 A gG/gL |
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| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 400 V</b> | 630 A gG/gL |
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| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 1 COORDINATION) AT 690 V</b> | 630 A gG/gL |
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| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 1000 V</b> | 200 A gG/gL |
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| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 400 V</b> | 500 A gG/gL |
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| <b>SHORT-CIRCUIT PROTECTION RATING (TYPE 2 COORDINATION) AT 690 V</b> | 500 A gG/gL |
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## AC-1/Conventional thermal current I<sub>th</sub>

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| <b>CONVENTIONAL THERMAL CURRENT I<sub>TH</sub> AT 40°C (3-POLE, OPEN)</b> | 800 A |
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| <b>CONVENTIONAL THERMAL CURRENT I<sub>TH</sub> AT 50°C (3-POLE, OPEN)</b> | 715 A |
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| <b>CONVENTIONAL THERMAL CURRENT I<sub>TH</sub> AT 55°C (3-POLE, OPEN)</b> | 682 A |
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| <b>CONVENTIONAL THERMAL CURRENT I<sub>TH</sub> (3-POLE, ENCLOSED)</b> | 600 A |
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| <b>CONVENTIONAL THERMAL CURRENT I<sub>TH</sub> OF MAIN CONTACTS (1-POLE, OPEN)</b> | 1625 A |
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| <b>CONVENTIONAL THERMAL CURRENT I<sub>TH</sub> (1-POLE, ENCLOSED)</b> | 1500 A |
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## Switching capacity

**SWITCHING CAPACITY  
(MAIN CONTACTS,  
GENERAL USE)** 550 A, Maximum motor  
rating (UL/CSA)

**SWITCHING CAPACITY  
(AUXILIARY CONTACTS,  
GENERAL USE)** 1 A, 250 V DC, (UL/CSA)  
15 A, 600 V AC, (UL/CSA)

**SWITCHING CAPACITY  
(AUXILIARY CONTACTS,  
PILOT DUTY)** P300, DC operated  
(UL/CSA)  
A600, AC operated  
(UL/CSA)

## Magnet system

Sealing - Pick-up phase (0 -  
0.7 x  $U_c$  min: Contactor  
does not switch on  
Sealing - Excess voltage  
(1.15 - 1.3 x  $U_c$  max):  
Contactor remains  
switched on  
Sealing - Voltage drops  
(0.2 - 0.6 x  $U_c$  min  $\leq$  12 ms:  
Time is bridged  
successfully  
Sealing - Voltage drops  
(0.6 - 0.7 x  $U_c$  min:  
Contactor remains  
switched on  
Sealing - Pick-up phase  
(0.7 x  $U_c$  min - 1.15 x  $U_c$   
max): Contactor switches  
on with certainty  
Sealing - Voltage  
interruptions (0 - 0.2 x  $U_c$   
min  $\leq$  10 ms: Time is  
bridged successfully  
Sealing - Voltage drops  
(0.2 - 0.6 x  $U_c$  min) > 12  
ms: Drop-out of the  
contactor  
Sealing - Voltage  
interruptions 0 - 0.2 x  $U_c$   
min) > 10 ms: Drop-out of  
the contactor

### BEHAVIOR IN MARGINAL AND TRANSITIONAL CONDITIONS

**DROP-OUT VOLTAGE** AC operated: 0.2 x  $U_S$  max  
- 0.6 x  $U_S$  min, AC  
operated  
0.2 x  $U_S$  max - 0.6 x  $U_S$   
min, DC operated

**DUTY FACTOR** 100 %

**PICK-UP VOLTAGE** 0.7 - 1.15 V DC x  $U_S$   
0.7 - 1.15 V AC x  $U_S$

**POWER CONSUMPTION** Control transformer with  
 $u_k \leq 6\%$

**POWER CONSUMPTION,  
PICK-UP, 50 HZ** 350 W, Pull-in power, Coil  
in a cold state and 1.0 x  $U_S$   
450 VA, Pull-in power, Coil  
in a cold state and 1.0 x  $U_S$

**POWER CONSUMPTION,  
PICK-UP, 60 HZ** 450 VA, Pull-in power, Coil  
in a cold state and 1.0 x  $U_S$   
350 W, Pull-in power, Coil  
in a cold state and 1.0 x  $U_S$

**POWER CONSUMPTION,** 19.6 VA, Coil in a cold state

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| <b>SEALING, 50 HZ</b>   | and 1.0 x Us<br>11.7 W, Coil in a cold state<br>and 1.0 x Us                                  |
| <b>POWER CONSUMPTION,<br/>SEALING, 60 HZ</b>  | 11.7 W, Coil in a cold state<br>and 1.0 x Us<br>19.6 VA, Coil in a cold state<br>and 1.0 x Us |
| <b>RATED CONTROL SUPPLY<br/>VOLTAGE (US) AT AC, 50<br/>HZ - MIN</b>                 | 250 V   |
| <b>RATED CONTROL SUPPLY<br/>VOLTAGE (US) AT AC, 50<br/>HZ - MAX</b>                 | 500 V   |
| <b>RATED CONTROL SUPPLY<br/>VOLTAGE (US) AT AC, 60<br/>HZ - MIN</b>                 | 250 V   |
| <b>RATED CONTROL SUPPLY<br/>VOLTAGE (US) AT AC, 60<br/>HZ - MAX</b>                 | 500 V   |
| <b>RATED CONTROL SUPPLY<br/>VOLTAGE (US) AT DC -<br/>MIN</b>                        | 250 V   |
| <b>RATED CONTROL SUPPLY<br/>VOLTAGE (US) AT DC -<br/>MAX</b>                        | 700 V   |
| <b>SWITCHING TIME (AC<br/>OPERATED, MAKE<br/>CONTACTS, CLOSING<br/>DELAY) - MAX</b> | 80 ms   |
| <b>SWITCHING TIME (AC<br/>OPERATED, MAKE<br/>CONTACTS, OPENING<br/>DELAY) - MAX</b> | 110 ms  |

## Motor rating

**ASSIGNED MOTOR  
POWER AT 230/240 V, 60  
HZ, 3-PHASE** 200 HP

**ASSIGNED MOTOR  
POWER AT 460/480 V, 60  
HZ, 3-PHASE** 400 HP

**ASSIGNED MOTOR  
POWER AT 575/600 V, 60  
HZ, 3-PHASE** 500 HP

## Contacts

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

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

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

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

## Design verification

|   |  |
|---|--|
| <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>                                | 19.33 W  |
| <b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>                    | 500 A  |
| <b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>                               | 11.7 W   |
| <b>10.2.2 CORROSION RESISTANCE</b>  | Meets the product standard's requirements.                         |
| <b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>                         | Meets the product standard's requirements.                         |
| <b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>       | Meets the product standard's requirements.                         |
| <b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b> | Meets the product standard's requirements.                         |
| <b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>                                 | Meets the product standard's requirements.                         |
| <b>10.2.5 LIFTING</b>   | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.2.6 MECHANICAL IMPACT</b>   | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.2.7 INSCRIPTIONS</b>  | Meets the product standard's requirements.                         |
| <b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>  | Does not apply, since the entire switchgear needs to be evaluated. |
| <b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>   | Meets the product standard's requirements.                         |
| <b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>   | Does not apply, since the entire switchgear needs to be evaluated. |

## Resources

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| <b>BROCHURES</b>                  | <a href="#">eaton-product-brochure-dilmdilh-power-contactors-brochure-br034010en-en-us.pdf</a>   |
| <b>CATALOGUES</b>                 | <a href="#">Product Range Catalog Switching and protecting motors</a><br><br><a href="#">eaton-contactors-short-time-loading-dilm-characteristic-curve-002.eps</a><br><br><a href="#">eaton-contactors-component-dilm-characteristic-curve.eps</a> |
| <b>CHARACTERISTIC CURVE</b>       | <a href="#">eaton-contactors-component-dilm-characteristic-curve-002.eps</a><br><br><a href="#">eaton-contactors-component-dilm-characteristic-curve-003.eps</a>   |
| <b>DECLARATIONS OF CONFORMITY</b> | <a href="#">DA-DC-00004796.pdf</a><br><a href="#">DA-DC-00004804.pdf</a>   |
|                                   | <a href="#">eaton-contactors-mounting-dilm-dimensions-002.eps</a><br><br><a href="#">eaton-contactors-mounting-dilm-dimensions.eps</a>   |
| <b>DRAWINGS</b>                   | <a href="#">eaton-contactors-dilm-dimensions-009.eps</a><br><br><a href="#">eaton-contactors-mounting-dilm-3d-drawing-002.eps</a><br><br><a href="#">eaton-contactors-dilm-3d-drawing-005.eps</a>  |
| <b>ECAD MODEL</b>                 | <a href="#">DA-CE-ETN.DILM500_22(RAC500)</a>   |
| <b>INSTALLATION INSTRUCTIONS</b>  | <a href="#">IL03406002Z</a>  |
| <b>MCAD MODEL</b>                 | <a href="#">eaton-iec-contactors-drawings-dilm500-570-s22.dwg</a>  |

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| <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>10.10 TEMPERATURE RISE</b>                                   | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| <b>10.11 SHORT-CIRCUIT RATING</b>                               | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>                      | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| <b>10.13 MECHANICAL FUNCTION</b>                                | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.                         |

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|-------------------------|--|
|                         | <a href="#">eaton-iec-contactors-3d-models-dilm500-570-s22.stp</a>   |
| <b>PEP ECO-PASSPORT</b> | <a href="#">eaton-contactor-declaration-of-conformity-uk251103en.pdf</a><br><a href="#">eaton-contactor-declaration-of-conformity-eu250620en.pdf</a> |
| <b>WIRING DIAGRAMS</b>  | <a href="#">eaton-contactors-contact-dilm-wiring-diagram-004.eps</a>   |

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



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