

# Specifications

Photo is representative

## Eaton 104945

Eaton Moeller® series DILM Timer module,  
200-240VAC, 0.5-10s, off-delayed

### General specifications

|                                 |                                                                                                                                                                                                                               |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PRODUCT NAME</b>             | Eaton Moeller® series<br>DILM timer module                                                                                                                                                                                    |
| <b>CATALOG NUMBER</b>           | 104945                                                                                                                                                                                                                        |
| <b>MODEL CODE</b>               | DILM32-XTED11-<br>10(RAC240)                                                                                                                                                                                                  |
| <b>EAN</b>                      | 4015081048038                                                                                                                                                                                                                 |
| <b>PRODUCT<br/>LENGTH/DEPTH</b> | 86 mm                                                                                                                                                                                                                         |
| <b>PRODUCT HEIGHT</b>           | 38 mm                                                                                                                                                                                                                         |
| <b>PRODUCT WIDTH</b>            | 45 mm                                                                                                                                                                                                                         |
| <b>PRODUCT WEIGHT</b>           | 0.073 kg                                                                                                                                                                                                                      |
| <b>CERTIFICATIONS</b>           | VDE 0660<br>IEC/EN 60947-4-1<br>DIN EN 61812<br>IEC/EN 60947<br>UL File No.: E29184<br>CE<br>CSA<br>UL Category Control No.:<br>NKKR<br>CSA File No.: 012528<br>CSA Class No.: 3211-03<br>CSA-C22.2 No. 14-05<br>UL<br>UL 508 |
| <b>CATALOG NOTES</b>            | Cannot be combined with<br>top mounting auxiliary<br>contacts                                                                                                                                                                 |
| <b>PRODUCT TYPE</b>             | Accessory                                                                                                                                                                                                                     |

## Features Functions

|                             |                        |
|-----------------------------|------------------------|
| <b>FITTED WITH:</b>         | Suppressor circuits    |
| <b>SWITCH FUNCTION TYPE</b> | Time-delay dropped out |
| <b>OPERATING MODE</b>       | Electronic             |

## General

|                                               |                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>DEGREE OF PROTECTION</b>                   | IP20                                                                                      |
| <b>DELAY TIME</b>                             | 50 ms, On-delayed<br>200 ms, Off-delayed                                                  |
| <b>LIFESPAN, MECHANICAL</b>                   | 3,000,000 Operations (DC operated)<br>3,000,000 Operations (AC operated)                  |
| <b>OPERATING FREQUENCY</b>                    | 360 mechanical Operations/h<br>3600 Operations/h                                          |
| <b>OVERVOLTAGE CATEGORY</b>                   | III                                                                                       |
| <b>POLLUTION DEGREE</b>                       | 3                                                                                         |
| <b>PRODUCT CATEGORY</b>                       | Accessories                                                                               |
| <b>PROTECTION</b>                             | Finger and back-of-hand proof, Protection against direct contact when actuated from front |
| <b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b> | 4000 V AC                                                                                 |
| <b>RECOVERY TIME</b>                          | 70 ms (after 100 % time delay)                                                            |
| <b>REPETITION ACCURACY</b>                    | < 5 % (deviation)                                                                         |
| <b>USED WITH</b>                              | DILMP20<br>DILMP32-45<br>DILA<br>DILM7-32                                                 |

## Ambient conditions, mechanical

|                          |                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MOUNTING POSITION</b> | As required (except suspended)                                                                                                                                                                             |
| <b>SHOCK RESISTANCE</b>  | 6 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms<br>6 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms |

## Climatic environmental conditions

|                                                       |                                                                                |
|-------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>AMBIENT OPERATING TEMPERATURE - MIN</b>            | -25 °F                                                                         |
| <b>AMBIENT OPERATING TEMPERATURE - MAX</b>            | 60 °F                                                                          |
| <b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN</b> | 25 °F                                                                          |
| <b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX</b> | 40 °F                                                                          |
| <b>AMBIENT STORAGE TEMPERATURE - MIN</b>              | 40 °F                                                                          |
| <b>AMBIENT STORAGE TEMPERATURE - MAX</b>              | 80 °F                                                                          |
| <b>CLIMATIC PROOFING</b>                              | Damp heat, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78 |

## Terminal capacities

|                                                          |                                                                                                              |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <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>                     | 2 x (0.75 - 1.5) mm <sup>2</sup><br>1 x (0.75 - 2.5) mm <sup>2</sup>                                         |
| <b>TERMINAL CAPACITY<br/>(SOLID/STRANDED AWG)</b>        | 18 - 14                                                                                                      |
| <b>SCREW SIZE</b>                                        | M3.5, Terminal screw,<br>Control circuit cables                                                              |
| <b>SCREWDRIVER SIZE</b>                                  | 2, Terminal screw, Pozidriv<br>screwdriver<br>0.8 x 5.5/1 x 6 mm,<br>Terminal screw, Standard<br>screwdriver |

## Electrical rating

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RATED OPERATIONAL<br/>CURRENT (IE)</b> | 0.1 A at 220 V, DC-13 L/R -<br>300 ms (with 1 contact in<br>series)<br>3 A at AC-15, 220 V 230 V<br>240 V<br>0.2 A at 110 V, DC-13 L/R -<br>50 ms (with 1 contact in<br>series)<br>0.2 A at 60 V, DC-13 L/R -<br>50 ms (with 1 contact in<br>series)<br>0.2 A at 60 V, DC-13 L/R -<br>300 ms (with 1 contact in<br>series)<br>1 A at 24 V, DC-13 L/R - 50<br>ms (with 1 contact in<br>series)<br>1 A at 24 V, DC-13 L/R - 300<br>ms (with 1 contact in<br>series)<br>0.1 A at 220 V, DC-13 L/R -<br>50 ms (with 1 contact in<br>series)<br>0.2 A at 110 V, DC-13 L/R -<br>300 ms (with 1 contact in<br>series) |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Short-circuit rating

|                                                                   |                                                                                                                                                              |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SHORT-CIRCUIT CURRENT<br/>RATING (BASIC RATING)</b>            | 125 A, max. Fuse, SCCR<br>(UL/CSA)<br>125 A, max. CB, SCCR<br>(UL/CSA)<br>5 kA, SCCR (UL/CSA)                                                                |
| <b>SHORT-CIRCUIT CURRENT<br/>RATING (HIGH FAULT AT<br/>480 V)</b> | 10/65 kA, CB, SCCR<br>(UL/CSA)<br>10/100 kA, Fuse, SCCR<br>(UL/CSA)<br>125/70 A, Class J, max.<br>Fuse, SCCR (UL/CSA)<br>50/32 A, max. CB, SCCR<br>(UL/CSA)  |
| <b>SHORT-CIRCUIT CURRENT<br/>RATING (HIGH FAULT AT<br/>600 V)</b> | 10/100 kA, Fuse, SCCR<br>(UL/CSA)<br>10/22 kA, CB, SCCR<br>(UL/CSA)<br>50/32 A, max. CB, SCCR<br>(UL/CSA)<br>125/125 A, Class J, max.<br>Fuse, SCCR (UL/CSA) |
| <b>SHORT-CIRCUIT<br/>PROTECTION RATING</b>                        | Max. 4 A gG/gL, fuse,<br>Without welding, Auxiliary<br>and control circuits                                                                                  |

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

|                                                                                                     |     |
|-----------------------------------------------------------------------------------------------------|-----|
| <b>CONVENTIONAL<br/>THERMAL CURRENT I<sub>TH</sub><br/>OF AUXILIARY CONTACTS<br/>(1-POLE, OPEN)</b> | 4 A |
|-----------------------------------------------------------------------------------------------------|-----|

## Switching capacity

|                                                                     |                                                   |
|---------------------------------------------------------------------|---------------------------------------------------|
| <b>SWITCHING CAPACITY<br/>(AUXILIARY CONTACTS,<br/>GENERAL USE)</b> | 5 A, 24 V DC, (UL/CSA)<br>5 A, 240 V AC, (UL/CSA) |
|---------------------------------------------------------------------|---------------------------------------------------|

|                                                                    |                                                                |
|--------------------------------------------------------------------|----------------------------------------------------------------|
| <b>SWITCHING CAPACITY<br/>(AUXILIARY CONTACTS,<br/>PILOT DUTY)</b> | B300, AC operated<br>(UL/CSA)<br>R300, DC operated<br>(UL/CSA) |
|--------------------------------------------------------------------|----------------------------------------------------------------|

## Contacts

|                                                          |   |
|----------------------------------------------------------|---|
| <b>NUMBER OF CONTACTS<br/>(CHANGE-OVER<br/>CONTACTS)</b> | 0 |
|----------------------------------------------------------|---|

|                                                              |   |
|--------------------------------------------------------------|---|
| <b>NUMBER OF CONTACTS<br/>(NORMALLY CLOSED<br/>CONTACTS)</b> | 1 |
|--------------------------------------------------------------|---|

|                                                            |   |
|------------------------------------------------------------|---|
| <b>NUMBER OF CONTACTS<br/>(NORMALLY OPEN<br/>CONTACTS)</b> | 1 |
|------------------------------------------------------------|---|

## Magnet system

|                    |       |
|--------------------|-------|
| <b>DUTY FACTOR</b> | 100 % |
|--------------------|-------|

|                        |                                                   |
|------------------------|---------------------------------------------------|
| <b>PICK-UP VOLTAGE</b> | 0.7 - 1.2 V DC x $U_c$<br>0.85 - 1.1 V AC x $U_c$ |
|------------------------|---------------------------------------------------|

|                                              |       |
|----------------------------------------------|-------|
| <b>POWER CONSUMPTION<br/>(SEALING) AT DC</b> | 1.8 W |
|----------------------------------------------|-------|

|                                              |                                               |
|----------------------------------------------|-----------------------------------------------|
| <b>POWER CONSUMPTION,<br/>SEALING, 50 HZ</b> | 2 VA, Coil in a cold state<br>and 1.0 x $U_s$ |
|----------------------------------------------|-----------------------------------------------|

|                                              |                                               |
|----------------------------------------------|-----------------------------------------------|
| <b>POWER CONSUMPTION,<br/>SEALING, 60 HZ</b> | 2 VA, Coil in a cold state<br>and 1.0 x $U_s$ |
|----------------------------------------------|-----------------------------------------------|

|                                                                     |       |
|---------------------------------------------------------------------|-------|
| <b>RATED CONTROL SUPPLY<br/>VOLTAGE (US) AT AC, 50<br/>HZ - MIN</b> | 100 V |
|---------------------------------------------------------------------|-------|

|                                                                     |       |
|---------------------------------------------------------------------|-------|
| <b>RATED CONTROL SUPPLY<br/>VOLTAGE (US) AT AC, 50<br/>HZ - MAX</b> | 240 V |
|---------------------------------------------------------------------|-------|

|                                                                     |       |
|---------------------------------------------------------------------|-------|
| <b>RATED CONTROL SUPPLY<br/>VOLTAGE (US) AT AC, 60<br/>HZ - MIN</b> | 100 V |
|---------------------------------------------------------------------|-------|

|                                                                     |       |
|---------------------------------------------------------------------|-------|
| <b>RATED CONTROL SUPPLY<br/>VOLTAGE (US) AT AC, 60<br/>HZ - MAX</b> | 240 V |
|---------------------------------------------------------------------|-------|

## Safety

|                       |                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SAFE ISOLATION</b> | 250 V AC, Between<br>auxiliary contacts,<br>According to EN 61140<br>250 V AC, Between coil<br>and auxiliary contacts,<br>According to EN 61140 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

## 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>                                | 0 W                                                                |
| <b>10.2.2 CORROSION RESISTANCE</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. |
| <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.                             |

## Resources

|                               |                                                                                                                                                                        |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                               | <a href="#">Product Range Catalog</a><br><a href="#">Switching and protecting motors</a>                                                                               |
| CATALOGS                      | <a href="#">eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf</a><br><br><a href="#">SmartWire-DT Catalog</a>                                     |
| DECLARATIONS OF CONFORMITY    | <a href="#">eaton-accessory-declaration-of-conformity-uk251284en.pdf</a><br><br><a href="#">eaton-accessory-declaration-of-conformity-eu250801en.pdf</a>               |
| DRAWINGS                      | <a href="#">eaton-electronic-timers-module-dilm-timer-module-dimensions.eps</a><br><br><a href="#">eaton-electronic-timers-module-dilm-timer-module-3d-drawing.eps</a> |
| ECAD MODEL                    | <a href="#">ETN.104945.edz</a>                                                                                                                                         |
| INSTALLATION INSTRUCTIONS     | <a href="#">IL04910004Z2021_07.pdf</a>                                                                                                                                 |
| INSTALLATION VIDEOS           | <a href="#">WIN-WIN with push-in technology</a><br><br><a href="#">dilm32_xte11.stp</a>                                                                                |
| MCAD MODEL                    | <a href="#">eaton-electronic-timers-mcad-drawings-dilm32-xte11.dwg</a>                                                                                                 |
| SPECIFICATIONS AND DATASHEETS | <a href="#">Eaton Specification Sheet - 104945</a>                                                                                                                     |
| WIRING DIAGRAMS               | <a href="#">eaton-electronic-timers-module-dilm-timer-module-wiring-diagram-002.eps</a>                                                                                |

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

|                        |
|------------------------|
| <b>PROJECT NAME:</b>   |
| <b>PROJECT NUMBER:</b> |
| <b>PREPARED BY:</b>    |
| <b>DATE:</b>           |



**Eaton Corporation plc** Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

