

Timer module, 24VAC/DC, 0.5-10s, off-delayed



Part no. DILM32-XTED11-10(RA24)
104943
EL Number 4130296
(Norway)

| General specifications | |
|--|--|
| Product name | Eaton Moeller® series DILM timer module |
| Part no. | DILM32-XTED11-10(RA24) |
| EAN | 4015081048014 |
| Product Length/Depth | 86 millimetre |
| Product height | 38 millimetre |
| Product width | 45 millimetre |
| Product weight | 0.073 kilogram |
| Certifications | IEC/EN 60947 UL 508 CSA Class No.: 3211-03 UL File No.: E29184 CSA File No.: 012528 CE UL CSA UL Category Control No.: NKCR IEC/EN 60947-4-1 CSA-C22.2 No. 14-05 VDE 0660 DIN EN 61812 |
| Product Tradename | DILM |
| Product Type | Accessory |
| Product Sub Type | Timer module |
| Catalog Notes | Cannot be combined with top mounting auxiliary contacts |
| Features & Functions | |
| Fitted with: | Suppressor circuits |
| Switch function type | Time-delay dropped out |
| Operating mode | Electronic |
| General information | |
| Degree of protection | IP20 |
| Delay time | 50 ms, On-delayed 200 ms, Off-delayed |
| Lifespan, mechanical | 3,000,000 Operations (DC operated) 3,000,000 Operations (AC operated) |
| Operating frequency | 3600 Operations/h 360 mechanical Operations/h |
| Overvoltage category | III |
| Pollution degree | 3 |
| Product category | Accessories |
| Protection | Finger and back-of-hand proof, Protection against direct contact when actuated from front |
| Rated impulse withstand voltage (Uimp) | 4000 V AC |
| Recovery time | 70 ms (after 100 % time delay) |
| Repetition accuracy | < 5 % (deviation) |
| Ambient conditions, mechanical | |
| Mounting position | As required (except suspended) |
| Shock resistance | 6 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 6 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms |
| Climatic environmental conditions | |
| Ambient operating temperature - min | -25 °F |
| Ambient operating temperature - max | 60 °F |
| Ambient operating temperature (enclosed) - min | 25 °F |

| | | |
|---|--|---|
| Ambient operating temperature (enclosed) - max | | 40 °F |
| Ambient storage temperature - min | | 40 °F |
| Ambient storage temperature - max | | 80 °F |
| Climatic proofing | | Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 |
| Terminal capacities | | |
| Terminal capacity (flexible with ferrule) | | 1 x (0.75 - 1.5) mm ² 2 x (0.75 - 1.5) mm ² |
| Terminal capacity (solid) | | 2 x (0.75 - 1.5) mm ² 1 x (0.75 - 2.5) mm ² |
| Terminal capacity (solid/stranded AWG) | | 18 - 14 |
| Screw size | | M3.5, Terminal screw, Control circuit cables |
| Screwdriver size | | 2, Terminal screw, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver |
| Electrical rating | | |
| Rated operational current (Ie) | | 0.1 A at 220 V, DC-13 L/R - 50 ms (with 1 contact in series) 3 A at AC-15, 220 V 230 V 240 V 0.1 A at 220 V, DC-13 L/R - 300 ms (with 1 contact in series) 0.2 A at 60 V, DC-13 L/R - 50 ms (with 1 contact in series) 1 A at 24 V, DC-13 L/R - 300 ms (with 1 contact in series) 1 A at 24 V, DC-13 L/R - 50 ms (with 1 contact in series) 0.2 A at 110 V, DC-13 L/R - 50 ms (with 1 contact in series) 0.2 A at 60 V, DC-13 L/R - 300 ms (with 1 contact in series) 0.2 A at 110 V, DC-13 L/R - 300 ms (with 1 contact in series) |
| Short-circuit rating | | |
| Short-circuit current rating (basic rating) | | 125 A, max. CB, SCCR (UL/CSA) 5 kA, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA) |
| Short-circuit current rating (high fault at 480 V) | | 125/70 A, Class J, max. Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 10/65 kA, CB, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA) |
| Short-circuit current rating (high fault at 600 V) | | 50/32 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 125/125 A, Class J, max. Fuse, SCCR (UL/CSA) 10/22 kA, CB, SCCR (UL/CSA) |
| Short-circuit protection rating | | Max. 4 A gG/gL, fuse, Without welding, Auxiliary and control circuits |
| Conventional thermal current Ith | | |
| Conventional thermal current Ith of auxiliary contacts (1-pole, open) | | 4 A |
| Switching capacity | | |
| Switching capacity (auxiliary contacts, general use) | | 5 A, 24 V DC, (UL/CSA) 5 A, 240 V AC, (UL/CSA) |
| Switching capacity (auxiliary contacts, pilot duty) | | B300, AC operated (UL/CSA) R300, DC operated (UL/CSA) |
| Magnet system | | |
| Duty factor | | 100 % |
| Pick-up voltage | | 0.85 - 1.1 V AC x Uc 0.7 - 1.2 V DC x Uc |
| Power consumption (sealing) at DC | | 1.8 W |
| Power consumption, sealing, 50 Hz | | 2 VA, Coil in a cold state and 1.0 x Us |
| Power consumption, sealing, 60 Hz | | 2 VA, Coil in a cold state and 1.0 x Us |
| Rated control supply voltage (Us) at AC, 50 Hz - max | | 24 V |
| Rated control supply voltage (Us) at AC, 60 Hz - max | | 24 V |
| Contacts | | |
| Number of contacts (change-over contacts) | | 0 |
| Number of contacts (normally closed contacts) | | 1 |
| Number of contacts (normally open contacts) | | 1 |
| Safety | | |
| Safe isolation | | 250 V AC, Between auxiliary contacts, According to EN 61140 250 V AC, Between coil and auxiliary contacts, According to EN 61140 |
| Design verification | | |
| Equipment heat dissipation, current-dependent Pvid | | 0 W |
| Heat dissipation capacity Pdis | | 0 W |
| Heat dissipation per pole, current-dependent Pvid | | 0 W |

| | | |
|--|--|--|
| 10.2.2 Corrosion resistance | | 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 against electric shock | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.6 Incorporation of switching devices and components | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.7 Internal electrical circuits and connections | | Is the panel builder's responsibility. |
| 10.8 Connections for external conductors | | Is the panel builder's responsibility. |
| 10.9.2 Power-frequency electric strength | | Is the panel builder's responsibility. |
| 10.9.3 Impulse withstand voltage | | Is the panel builder's responsibility. |
| 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. |

Technical data ETIM 8.0

Relays (EG000019) / Timer block (EC002060)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Timer block attachment
(ecl@ss10.0.1-27-37-13-08 [ACN996011])

| | | |
|---|---|------------------------|
| Switching function | | Time-delay dropped out |
| Setting time | s | 0.5 - 10 |
| Number of contacts as normally open contact | | 1 |
| Number of contacts as normally closed contact | | 1 |
| Number of contacts as change-over contact | | 0 |
| Operating principle | | Electronic |