

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