

DIL CONTACTORS

104945



Overview



Specifications



Resources

How to

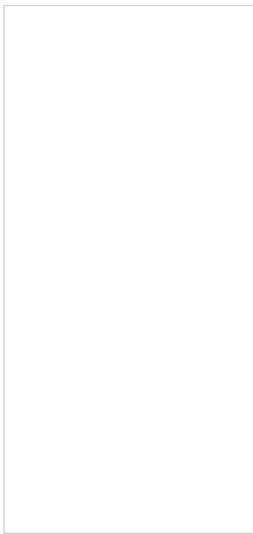


Photo is representative

104945

Eaton Moeller® series DILM Timer module, 200-240V



[WIN-WIN with Push-in Terminals](#)

[How to improve wiring](#)

Designed to work together

Discover other Eaton products and accessories built to enhance this product.

199669

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 11 kW, 1 N/O, 1 NC, 220 V 50/60 Hz, AC operation, Push in terminals

199641

Eaton Moeller® series DILA Contactor relay, 220 V 50/60 Hz, 2 N/O, 2 NC, Push in terminals, AC operation

199224

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 3 kW, 1 NC, 230 V 50 Hz, 240 V 60 Hz, AC operation, Push in terminals

199648

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 4 kW, 1 NC, 220 V 50/60 Hz, AC operation, Push in terminals

[View more](#)

[View less](#)

GENERAL SPECIFICATIONS

General specifications

>

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

PRODUCT SPECIFICATIONS

POWER CONSUMPTION, SEALING, 60 HZ	2 VA, Coil in a cold state and 1.0 x Us
REPEITION ACCURACY	< 5 % (deviation)
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.75 - 1.5) mm ² 2 x (0.75 - 1.5) mm ²
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications must be observed.
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	25 °F
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	100 V
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications must be observed.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
	10/65 kA CB SCCR (UL/CSA)

SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	10/100 kA, Fuse, SCCR (UL/CSA) 125/70 A, Class J, max. Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA)
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °F
AMBIENT STORAGE TEMPERATURE - MIN	40 °F
FITTED WITH:	Suppressor circuits
SHORT-CIRCUIT CURRENT RATING (BASIC RATING)	125 A, max. Fuse, SCCR (UL/CSA) 125 A, max. CB, SCCR (UL/CSA) 5 kA, SCCR (UL/CSA)
SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)	10/100 kA, Fuse, SCCR (UL/CSA) 10/22 kA, CB, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA) 125/125 A, Class J, max. Fuse, SCCR (UL/CSA)
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	240 V
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
SCREW SIZE	M3.5, Terminal screw, Control circuit cables
PROTECTION	Finger and back-of-hand proof, Protection against dirt actuated from front
POWER CONSUMPTION, SEALING, 50 HZ	2 VA, Coil in a cold state and 1.0 x Us
AMBIENT OPERATING TEMPERATURE - MAX	60 °F
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
RECOVERY TIME	70 ms (after 100 % time delay)
POWER CONSUMPTION (SEALING) AT DC	1.8 W
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
AMBIENT OPERATING TEMPERATURE - MIN	-25 °F
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be tested.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be tested.
SAFE ISOLATION	250 V AC, Between auxiliary contacts, According to IEC 60074-1 250 V AC, Between coil and auxiliary contacts, According to IEC 60074-1
USED WITH	DILMP20 DILMP32-45 DILA DILM7-32
MOUNTING POSITION	As required (except suspended)
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the instructions in the instruction leaflet (IL) is observed.
10.2.6 MECHANICAL IMPACT	Does not apply since the entire switchgear needs to be tested.

	Does not apply, since the entire switchgear needs to
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
OPERATING FREQUENCY	360 mechanical Operations/h 3600 Operations/h
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	5 A, 24 V DC, (UL/CSA) 5 A, 240 V AC, (UL/CSA)
PRODUCT CATEGORY	Accessories
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED OPERATIONAL CURRENT (IE)	0.1 A at 220 V, DC-13 L/R - 300 ms (with 1 contact) 3 A at AC-15, 220 V 230 V 240 V 0.2 A at 110 V, DC-13 L/R - 50 ms (with 1 contact) 0.2 A at 60 V, DC-13 L/R - 50 ms (with 1 contact) 0.2 A at 60 V, DC-13 L/R - 300 ms (with 1 contact) 1 A at 24 V, DC-13 L/R - 50 ms (with 1 contact in) 1 A at 24 V, DC-13 L/R - 300 ms (with 1 contact in) 0.1 A at 220 V, DC-13 L/R - 50 ms (with 1 contact) 0.2 A at 110 V, DC-13 L/R - 300 ms (with 1 contact)
PICK-UP VOLTAGE	0.7 - 1.2 V DC x Uc 0.85 - 1.1 V AC x Uc
TERMINAL CAPACITY (SOLID)	2 x (0.75 - 1.5) mm ² 1 x (0.75 - 2.5) mm ²
OPERATING MODE	Electronic
DELAY TIME	50 ms, On-delayed 200 ms, Off-delayed
SETTING TIME - MIN	0.5 s
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.
LIFESPAN, MECHANICAL	3,000,000 Operations (DC operated) 3,000,000 Operations (AC operated)
SWITCH FUNCTION TYPE	Time-delay dropped out
CONVENTIONAL THERMAL CURRENT ITH OF AUXILIARY CONTACTS (1-POLE, OPEN)	4 A
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
DEGREE OF PROTECTION	IP20

OVERVOLTAGE CATEGORY	III
AMBIENT STORAGE TEMPERATURE - MAX	80 °F
POLLUTION DEGREE	3
RATED CONTROL SUPPLY VOLTAGE(US) AT AC, 60 HZ - MIN	100 V
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4000 V AC
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the device
SCREWDRIVER SIZE	2, Terminal screw, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screw
DUTY FACTOR	100 %
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
RATED CONTROL SUPPLY VOLTAGE(US) AT AC, 60 HZ - MAX	240 V
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
SHORT-CIRCUIT PROTECTION RATING	Max. 4 A gG/gL, fuse, Without welding, Auxiliary
SETTING TIME - MAX	10 s
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
SHOCK RESISTANCE	6 g, N/O auxiliary contact, Mechanical, according to IEC 60068-2-27, Halfsinusoidal shock 10 ms 6 g, N/C auxiliary contact, Mechanical, according to IEC 60068-2-27, Halfsinusoidal shock 10 ms
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	B300, AC operated (UL/CSA) R300, DC operated (UL/CSA)

Catalogs

Certification reports

Drawings

eCAD model

Installation instructions

Installation videos

mCAD model

Specifications and datasheets

Wiring diagrams

104945



Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy and helping to solve the world's most urgent power management challenges.