



DIL CONTACTORS
101440


Overview


Specifications




Resources

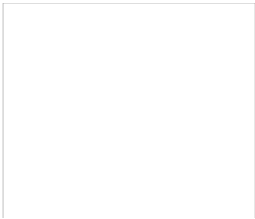
How to

101440

Eaton Moeller® series DILM Timer module, 24VAC



-  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.

199258

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 7.5 kW, 1 NC, 24 V DC, DC operation, Push in terminals

199276

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 6.8 kW, 1 N/O, 1 NC, 24 V 50/60 Hz, AC operation, Push in terminals

199243

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 5.5 kW, 1 N/O, 24 V DC, DC operation, Push in terminals

199293

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 15 kW, 1 N/O, 1 NC, 24 V 50/60 Hz, AC operation, Push in terminals

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GENERAL SPECIFICATIONS

General specifications

>

PRODUCT NAME

Eaton Moeller® series DILM timer module

CATALOG NUMBER

101440

Product specifications

>

MODEL CODE

DILM32-XTEE11(RA24)

EAN

4015081013609

PRODUCT LENGTH/DEPTH

86 mm

PRODUCT HEIGHT

38 mm

PRODUCT WIDTH

45 mm

PRODUCT WEIGHT

0.073 kg

CERTIFICATIONS

CSA File No.: 012528
IEC/EN 60947
IEC/EN 60947-4-1
UL
UL Category Control No.: NKCR
UL File No.: E29184
CSA
CSA-C22.2 No. 14-05
UL 508
VDE 0660
CE
DIN EN 61812
CSA Class No.: 3211-03

CATALOG NOTES

Cannot be combined with top mounting auxiliary c

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)

0 A

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) mm²
2 x (0.75 - 1.5) mm²

10.11 SHORT-CIRCUIT RATING

Is the panel builder's responsibility. The specification must be observed.

AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN

25 °C

10.4 CLEARANCES AND CREEPAGE DISTANCES

Meets the product standard's requirements.

10.12 ELECTROMAGNETIC COMPATIBILITY

Is the panel builder's responsibility. The specification must be observed.

10.2.5 LIFTING

Does not apply, since the entire switchgear needs to

SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)	50/32 A, max. CB, SCCR (UL/CSA) 10/65 kA, CB, SCCR (UL/CSA) 125/70 A, Class J, max. Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA)
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
AMBIENT STORAGE TEMPERATURE - MIN	40 °C
FITTED WITH:	Suppressor circuits
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 600 V)	10/22 kA, CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 125/125 A, Class J, max. Fuse, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA)
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	24 V
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
SCREW SIZE	M3.5, Terminal screw, Control circuit cables
TIME RANGE - MAX	100 s
PROTECTION	Finger and back-of-hand proof, Protection against direct actuated from front (EN 50274)
POWER CONSUMPTION, SEALING, 50 HZ	2 VA, Coil in a cold state and 1.0 x Us
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
CONTACT CHANGE OVER TIME	50 ms
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	1.8 W
RECOVERY TIME	70 ms (after 100 % time delay)
POWER CONSUMPTION (SEALING) AT DC	1.8 W
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	24 V
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to

SAFE ISOLATION	250 V AC, Between auxiliary contacts, According to IEC 60947-1 250 V AC, Between coil and auxiliary contacts, According to IEC 60947-1
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.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be tested.
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
OPERATING FREQUENCY	3600 Operations/h 360 mechanical Operations/h
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	5 A, 240 V AC, (UL/CSA) 5 A, 24 V DC, (UL/CSA)
PRODUCT CATEGORY	Accessories
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED OPERATIONAL CURRENT (IE)	0.2 A at 110 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) 0.2 A at 60 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 - 300 ms (with 1 contact in series) 0.2 A at 60 V, DC-13 L/R - 50 ms (with 1 contact in series) 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)
PICK-UP VOLTAGE	0.85 - 1.1 V AC x Uc 0.7 - 1.2 V DC 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	200 ms, Off-delayed 50 ms, On-delayed
SETTING TIME - MIN	0.05 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 (AC operated) 3,000,000 Operations (DC operated)
SWITCH FUNCTION TYPE	Operating delayed
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 °C
POLLUTION DEGREE	3
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
TIGHTENING TORQUE	1.2 Nm, Screw terminals
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.
TIME RANGE - MIN	0.05 s
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	24 V
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
SHORT-CIRCUIT PROTECTION RATING	Max. 4 A gG/gL, fuse, Without welding, Auxiliary
SETTING TIME - MAX	100 s
RATED OPERATIONAL VOLTAGE (UE) - MAX	250 V
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
SHOCK RESISTANCE	6 g, N/O auxiliary contact, Mechanical, according to 27, Halfsinusoidal shock 10 ms 6 g, N/C auxiliary contact, Mechanical, according to 27, Halfsinusoidal shock 10 ms
RATED INSULATION VOLTAGE (UI)	250 V

Catalogs

Certification reports

Drawings

eCAD model

Installation instructions

Installation videos

mCAD model

Wiring diagrams

101440



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.

