

DIL CONTACTORS  
101442

  
Overview

  
Specifications



  
Resources

How to

# 101442

Eaton Moeller® series DILM Timer module, 200-24



-  WIN-WIN with Push-in Terminals
-  How to improve wiring

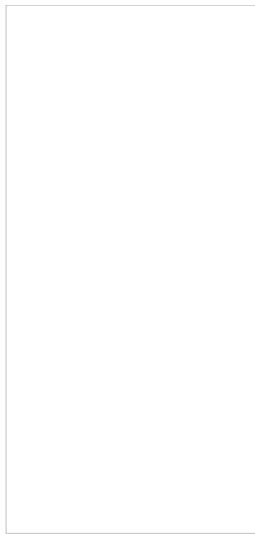


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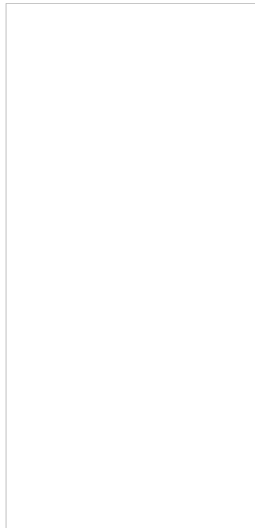


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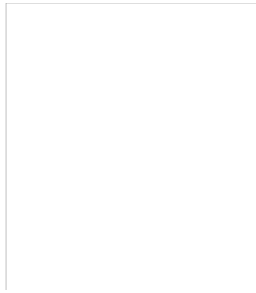


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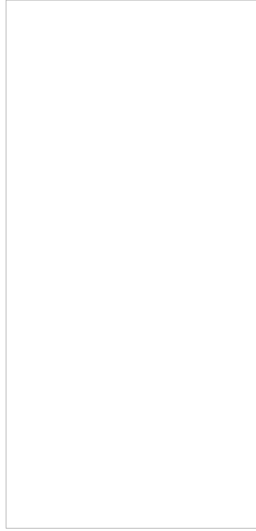


Photo is representative



## Designed to work together

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### 199289

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 15 kW, 1 N/O, 1 NC, 230 V 50 Hz, 240 V 60 Hz, AC operation, Push in terminals

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### 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

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### 199641

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

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### 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

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## GENERAL SPECIFICATIONS

General specifications	>	<b>PRODUCT NAME</b>	Eaton Moeller® series DILM timer module
		<b>CATALOG NUMBER</b>	101442
Product specifications	>	<b>MODEL CODE</b>	DILM32-XTEE11(RAC240)
		<b>EAN</b>	4015081013623
		<b>PRODUCT 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>	CSA File No.: 012528 IEC/EN 60947-4-1 UL 508 CSA Class No.: 3211-03 DIN EN 61812 IEC/EN 60947 UL Category Control No.: NKCR CE CSA UL VDE 0660 UL File No.: E29184 CSA-C22.2 No. 14-05
		<b>CATALOG NOTES</b>	Cannot be combined with top mounting auxiliary c

## PRODUCT SPECIFICATIONS

<b>POWER CONSUMPTION, SEALING, 60 HZ</b>	2 VA, Coil in a cold state and 1.0 x Us
<b>REPEITION ACCURACY</b>	< 5 % (deviation)
<b>TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)</b>	2 x (0.75 - 1.5) mm <sup>2</sup> 1 x (0.75 - 1.5) mm <sup>2</sup>
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications must be observed.
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN</b>	25 °F
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b>	200 V
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.

<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications must be observed.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be lifted.
<b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 480 V)</b>	50/32 A, max. CB, SCCR (UL/CSA) 125/70 A, Class J, max. Fuse, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA) 10/65 kA, CB, SCCR (UL/CSA)
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX</b>	40 °F
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	40 °F
<b>FITTED WITH:</b>	Suppressor circuits
<b>SHORT-CIRCUIT CURRENT RATING (BASIC RATING)</b>	125 A, max. CB, SCCR (UL/CSA) 5 kA, SCCR (UL/CSA) 125 A, max. Fuse, SCCR (UL/CSA)
<b>SHORT-CIRCUIT CURRENT RATING (HIGH FAULT AT 600 V)</b>	125/125 A, Class J, max. Fuse, SCCR (UL/CSA) 10/22 kA, CB, SCCR (UL/CSA) 50/32 A, max. CB, SCCR (UL/CSA) 10/100 kA, Fuse, SCCR (UL/CSA)
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b>	240 V
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>SCREW SIZE</b>	M3.5, Terminal screw, Control circuit cables
<b>PROTECTION</b>	Finger and back-of-hand proof, Protection against dirt, actuated from front
<b>POWER CONSUMPTION, SEALING, 50 HZ</b>	2 VA, Coil in a cold state and 1.0 x Us
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	60 °F
<b>CLIMATIC PROOFING</b>	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
<b>RECOVERY TIME</b>	70 ms (after 100 % time delay)
<b>POWER CONSUMPTION (SEALING) AT DC</b>	1.8 W
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °F
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be tested.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be tested.
<b>SAFE ISOLATION</b>	250 V AC, Between coil and auxiliary contacts, According to IEC 60068-2-78 250 V AC, Between auxiliary contacts, According to IEC 60068-2-78
<b>MOUNTING POSITION</b>	As required (except suspended)
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the instructions in the instruction leaflet (IL) is observed.

<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to
<b>NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)</b>	1
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to
<b>OPERATING FREQUENCY</b>	3600 Operations/h 360 mechanical Operations/h
<b>SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)</b>	5 A, 24 V DC, (UL/CSA) 5 A, 240 V AC, (UL/CSA)
<b>PRODUCT CATEGORY</b>	Accessories
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0 W
<b>RATED OPERATIONAL CURRENT (IE)</b>	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 - 300 ms (with 1 conta 0.1 A at 220 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 0.2 A at 110 V, DC-13 L/R - 50 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 - 300 ms (with 1 conta 0.2 A at 60 V, DC-13 L/R - 50 ms (with 1 contact
<b>PICK-UP VOLTAGE</b>	0.7 - 1.2 V DC x U <sub>c</sub> 0.85 - 1.1 V AC x U <sub>c</sub>
<b>TERMINAL CAPACITY (SOLID)</b>	2 x (0.75 - 1.5) mm <sup>2</sup> 1 x (0.75 - 2.5) mm <sup>2</sup>
<b>OPERATING MODE</b>	Electronic
<b>DELAY TIME</b>	50 ms, On-delayed 200 ms, Off-delayed
<b>SETTING TIME - MIN</b>	0.05 s
<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>LIFESPAN, MECHANICAL</b>	3,000,000 Operations (AC operated) 3,000,000 Operations (DC operated)
<b>SWITCH FUNCTION TYPE</b>	Operating delayed
<b>CONVENTIONAL THERMAL CURRENT ITH OF AUXILIARY CONTACTS (1-POLE, OPEN)</b>	4 A
<b>TERMINAL CAPACITY (SOLID/STRANDED AWG)</b>	18 - 14
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>DEGREE OF PROTECTION</b>	IP20
<b>OVERVOLTAGE CATEGORY</b>	III
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	80 °F

<b>POLLUTION DEGREE</b>	3
<b>RATED CONTROL SUPPLY VOLTAGE(US) AT AC, 60 HZ - MIN</b>	200 V
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	4000 V AC
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the device
<b>SCREWDRIVER SIZE</b>	2, Terminal screw, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver
<b>DUTY FACTOR</b>	100 %
<b>10.2.2 CORROSION RESISTANCE</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>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>RATED CONTROL SUPPLY VOLTAGE(US) AT AC, 60 HZ - MAX</b>	240 V
<b>NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)</b>	1
<b>SHORT-CIRCUIT PROTECTION RATING</b>	Max. 4 A gG/gL, fuse, Without welding, Auxiliary contacts
<b>SETTING TIME - MAX</b>	100 s
<b>NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)</b>	0
<b>SHOCK RESISTANCE</b>	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
<b>SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)</b>	R300, DC operated (UL/CSA) B300, AC operated (UL/CSA)

Catalogs

Certification reports

Drawings

eCAD model

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Installation instructions

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Installation videos

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mCAD model

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Wiring diagrams

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101442



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