



DILA CONTACTOR RELAY

276426



Overview

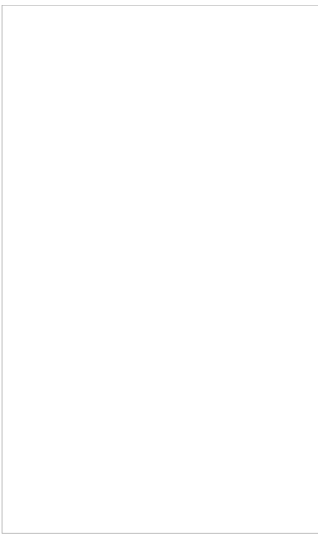


Specifications



Resources

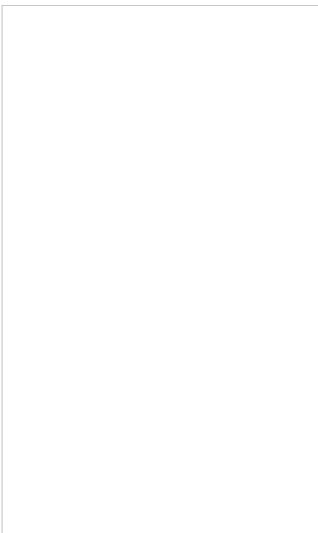
How to buy

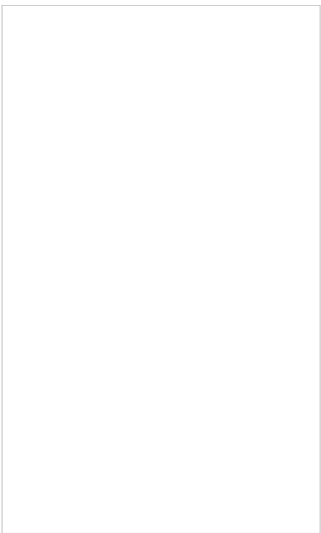
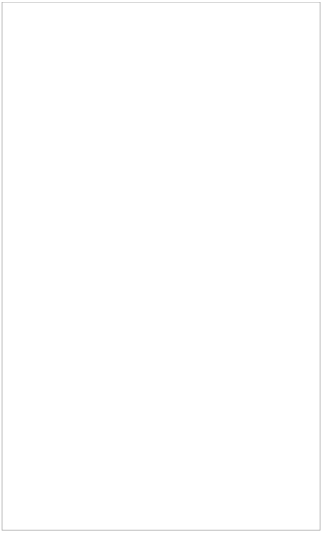
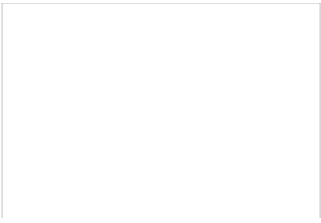


276426

Eaton Moeller® series DILA Auxiliary contact mod
N/O, 2 NC, Front fixing, Screw terminals, DILA, DIL

How to buy





Designed to work together

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

276880

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 5.5 kW, 1 NC, 24 V DC, DC operation, Screw terminals DILM12-01(24VDC)

276824

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 5.5 kW, 1 N/O, 208 V 60 Hz, AC operation, Screw terminals

276821

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 5.5 kW, 1 N/O, 24 V 60 Hz, AC operation, Screw terminals

276481

Eaton Moeller® series DILA Contactor relay, 230 V 50/60 Hz, 3 N/O, 1 N/C, Spring-loaded terminals, AC operation

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GENERAL SPECIFICATIONS

General specifications

>

PRODUCT NAME Eaton Moeller® series DILA Accessory Auxiliary

CATALOG NUMBER 276426

Product specifications

>

MODEL CODE DILA-XHI22

UPC 782116354597

EAN 4015082764265

PRODUCT LENGTH/DEPTH 45 mm

PRODUCT HEIGHT 38 mm

PRODUCT WIDTH 36 mm

PRODUCT WEIGHT 0.049 kg

CERTIFICATIONS

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

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) 4 A

TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.75 - 2.5) mm ² , Screw terminals 2 x (0.75 - 2.5) mm ² , Screw terminals
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications must be observed.
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-25 °C
LAMP HOLDER	None
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.
MOUNTING METHOD	Front fastening
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be lifted.
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:	Interlocked opposing contacts Switching elements according to EN 50005
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
SCREW SIZE	M3.5, Terminal screw
PROTECTION	Finger and back-of-hand proof, Protection against dirt actuated from front (EN 50274)
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
CODE NUMBER	62E in combination with DILA(C)-40 44 in combination with DILA(C)-22 53 in combination with DILA(C)-31
FEATURES	Interlocked opposing contacts within an auxiliary contact (according to IEC 60947-5-1 Annex L)
LIFESPAN, ELECTRICAL	1,300,000 Operations (at 230 V, AC-15, 3 A)
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
RATED OPERATIONAL CURRENT (IE) AT AC-15, 500 V	1.5 A
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
NUMBER OF POLES	Four-pole
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	400 V AC, Between auxiliary contacts, According to 400 V AC, Between coil and auxiliary contacts, According to
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	4 A
ELECTRIC CONNECTION TYPE	Screw connection
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the instructions and the instruction leaflet (IL) is observed.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	2
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.16 W
RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V	4 A
OPERATING FREQUENCY	9000 Operations/h
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	1 A, 250 V DC, (UL/CSA) 10 A, 600 V AC, (UL/CSA)
NUMBER OF SWITCHES (FAULT SIGNAL)	0
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V	1 A
CONVENTIONAL THERMAL CURRENT ITH AT 60°C (3-POLE, OPEN)	16 A
RATED OPERATIONAL CURRENT (IE)	10 A at 60 V, DC L/R ≤ 15 ms (with 2 contacts in series) 6 A at 60 V, DC L/R ≤ 15 ms (with 1 contact in series) 1 A at 220 V, DC L/R ≤ 15 ms (with 1 contact in series) 0.5 A at 110 V, DC L/R ≤ 50 ms (with 3 contacts in series) 1 A at 60 V, DC L/R ≤ 50 ms (with 3 contacts in series) 5 A at 220 V, DC L/R ≤ 15 ms (with 3 contacts in series) 2.5 A at 24 V, DC L/R ≤ 50 ms (with 3 contacts in series) 10 A at 24 V, DC L/R ≤ 15 ms (with 1 contact in series) 0.25 A at 220 V, DC L/R ≤ 50 ms (with 3 contacts in series) 3 A at 110 V, DC L/R ≤ 15 ms (with 1 contact in series) 6 A at 110 V, DC L/R ≤ 15 ms (with 3 contacts in series)
SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING	10 A gG/gL, 500 V, Max. Fuse, Contacts

TERMINAL CAPACITY (SOLID)	2 x (0.75 - 2.5) mm ² , Screw terminals 1 x (0.75 - 2.5) mm ² , Screw terminals
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	10,000,000 Operations (DC operated) 10,000,000 Operations (AC operated)
RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V	0.25 A
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14, Screw terminals
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
CONTROL CIRCUIT RELIABILITY	$\lambda < 5 \times 10^{-7}$ (1 failure at 2,000,000 operations for U = 17 V, I _{min} = 5.4 mA)
OVERVOLTAGE CATEGORY	III
DEGREE OF PROTECTION	IP20
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	500 V
POLLUTION DEGREE	3
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the device
FUNCTIONS	For standard applications
TIGHTENING TORQUE	1.2 Nm, Screw terminals
SCREWDRIVER SIZE	0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver 2, Terminal screw, Pozidriv screwdriver
TYPE	Front mounting auxiliary contact
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.
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	2
SHORT-CIRCUIT PROTECTION RATING	Max. 10 A gG/gL, Fuse, Without welding, Auxiliary contact
MODEL	Top mounting
RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V	0.5 A

NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
SHOCK RESISTANCE	5 g, N/C auxiliary contact, Basic unit with auxiliary Mechanical, according to IEC/EN 60068-2-27, Half ms 7 g, N/O auxiliary contact, Basic unit with auxiliary Mechanical, according to IEC/EN 60068-2-27, Half ms
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	P300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
RATED INSULATION VOLTAGE (UI)	690 V
RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	2.5 A

Catalogs

Certification reports

Declarations of conformity

Drawings

eCAD model

Installation instructions

Installation videos

mCAD model

Wiring diagrams

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