



DILA CONTACTOR RELAY

276421



Overview

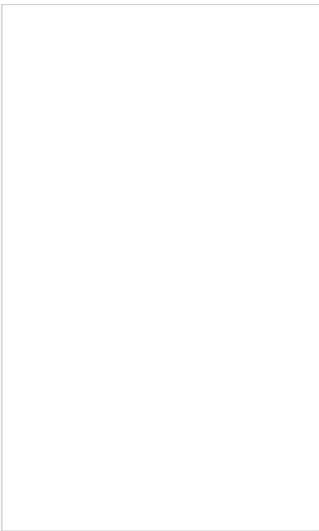


Specifications



Resources

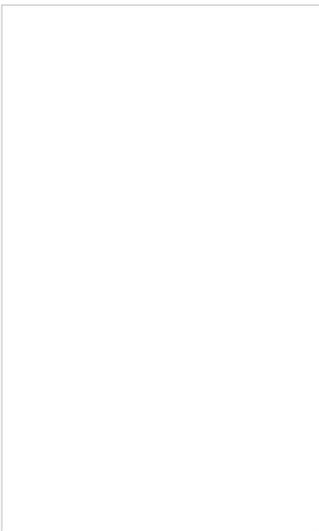
How to buy

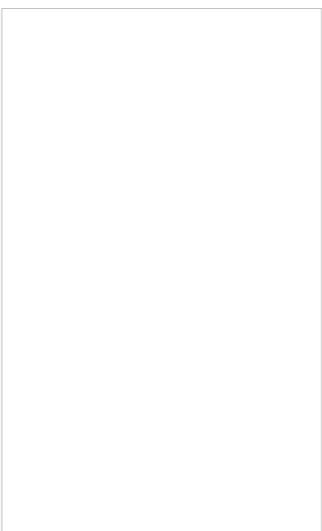
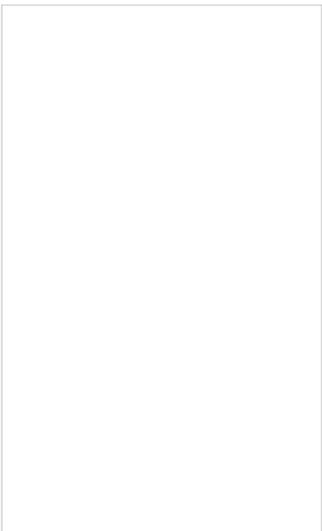
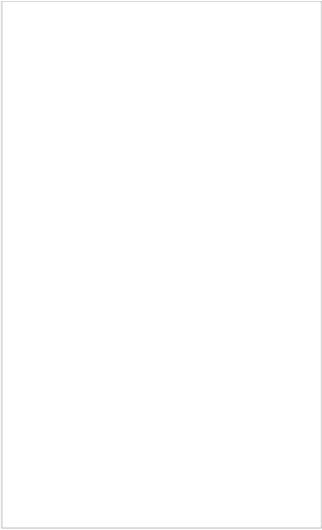
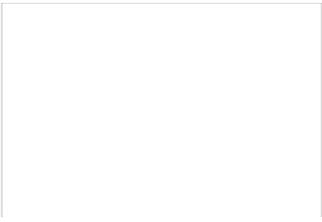


276421

Eaton Moeller® series DILA Auxiliary contact mod
N/O, 1 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.

293965

Eaton Moeller® series DILM Contactor, 3 pole, 380 V 400 V 7.5 kW, 1 NC, 220 V DC, DC operation, Spring-loaded terminals

276339

Eaton Moeller® series DILA Contactor relay, TVC100: 100 V 50 Hz/100-110 V 60 Hz, 4 N/O, Screw terminals, AC operation

158138

Eaton Moeller® series DILA Contactor relay, 120 V DC, 4 N/O, Screw terminals, DC operation

276463

Eaton Moeller® series DILA Contactor relay, 24 V 50 Hz, 3 N/O, 1 NC, Spring-loaded terminals, AC operation

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GENERAL SPECIFICATIONS

General specifications



PRODUCT NAME Eaton Moeller® series DILA Accessory Auxiliary

CATALOG NUMBER 276421

Product specifications



MODEL CODE DILA-XHI11

UPC 782116354566

EAN 4015082764210

PRODUCT LENGTH/DEPTH 45 mm

PRODUCT HEIGHT 38 mm

PRODUCT WIDTH 36 mm

PRODUCT WEIGHT 0.039 kg

CERTIFICATIONS

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

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)

4 A

TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)

2 x (0.75 - 2.5) mm², Screw terminals
1 x (0.75 - 2.5) mm², 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

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:

Switching elements according to EN 50005
Interlocked opposing contacts

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 direct actuated from front (EN 50274)

AMBIENT OPERATING TEMPERATURE - MAX

60 °C

CLIMATIC PROOFING

Damp heat, cyclic, to IEC 60068-2-30

CODE NUMBER	42 in combination with DILA(C)-31 33 in combination with DILA(C)-22 51E in combination with DILA(C)-40
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 PVID	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	Two-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 information 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)	1
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.16 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)	10 A, 600 V AC, (UL/CSA) 1 A, 250 V DC, (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)	6 A at 110 V, DC L/R ≤ 15 ms (with 3 contacts in s 1 A at 60 V, DC L/R ≤ 50 ms (with 3 contacts in s 10 A at 60 V, DC L/R ≤ 15 ms (with 2 contacts in s 0.5 A at 110 V, DC L/R ≤ 50 ms (with 3 contacts i 3 A at 110 V, DC L/R ≤ 15 ms (with 1 contact in s 5 A at 220 V, DC L/R ≤ 15 ms (with 3 contacts in 6 A at 60 V, DC L/R ≤ 15 ms (with 1 contact in se 1 A at 220 V, DC L/R ≤ 15 ms (with 1 contact in s 2.5 A at 24 V, DC L/R ≤ 50 ms (with 3 contacts in 10 A at 24 V, DC L/R ≤ 15 ms (with 1 contact in s 0.25 A at 220 V, DC L/R ≤ 50 ms (with 3 contacts
SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING	10 A gG/gL, 500 V, Max. Fuse, Contacts
TERMINAL CAPACITY (SOLID)	1 x (0.75 - 2.5) mm ² , Screw terminals 2 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.
CONNECTION TYPE	Screw connection
LIFESPAN, MECHANICAL	10,000,000 Operations (AC operated) 10,000,000 Operations (DC operated)
RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V	0.25 A
TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14
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 devi

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, 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)	1
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 contact, Mechanical, according to IEC/EN 60068-2-27, Half sine wave, 11 ms 7 g, N/O auxiliary contact, Basic unit with auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half sine wave, 11 ms
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	A600, AC operated (UL/CSA) P300, DC 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

276421



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