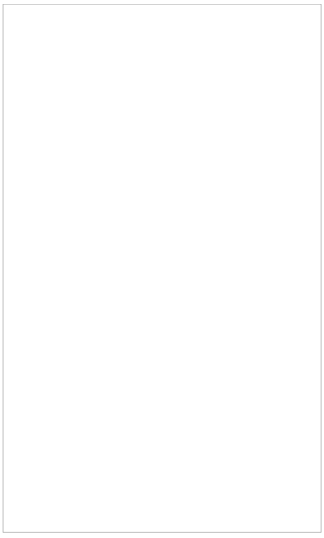
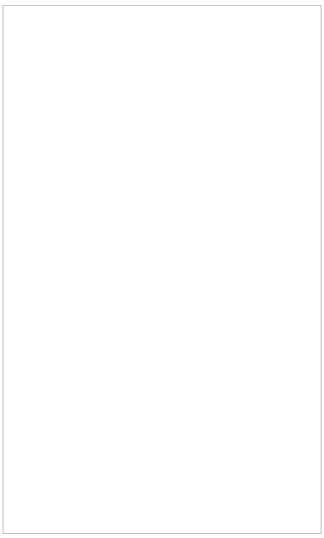
DILA CONTACTOR RELAY
276420





276420

Eaton Moeller® series DILA Auxiliary contact mod
Front fixing, Screw terminals, DILA, DILM7 - DILM

How to buy

Designed to work together

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276326

Eaton Moeller® series DILA Contactor relay, 110 V 50 Hz, 120 V 60 Hz, 4 N/O, Screw terminals, AC operation

276364

Eaton Moeller® series DILA Contactor relay, 230 V 50 Hz, 240 V 60 Hz, 3 N/O, 1 NC, Screw terminals, AC operation

276325

Eaton Moeller® series DILA Contactor relay, 42 V 50 Hz, 48 V 60 Hz, 4 N/O, Screw terminals, AC operation

276438

Eaton Moeller® series DILA Co relay, 110 V 50 Hz, 120 V 60 H Spring-loaded terminals, AC ope

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General specifications

Product specifications

GENERAL SPECIFICATIONS

PRODUCT NAME	Eaton Moeller® series DILA Accessory Auxiliary c
CATALOG NUMBER	276420
MODEL CODE	DILA-XHI02
EAN	4015082764203
PRODUCT LENGTH/DEPTH	45 mm
PRODUCT HEIGHT	38 mm
PRODUCT WIDTH	36 mm
PRODUCT WEIGHT	0.038 kg

CSA Class No.: 3211-03

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

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	4 A
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.75 - 2.5) mm², Screw terminals 2 x (0.75 - 2.5) mm², Screw terminals
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specificatio 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 specificatio 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 di 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	42E 33 in combination with DILA(C)-31 24 in combination with DILA(C)-22
FEATURES	Interlocked opposing contacts within an auxiliary co (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	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 t 400 V AC, Between coil and auxiliary contacts, Acc
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 inf 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)	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 5 A at 220 V, DC L/R ≤ 15 ms (with 3 contacts in 0.25 A at 220 V, DC L/R ≤ 50 ms (with 3 contacts 10 A at 24 V, DC L/R ≤ 15 ms (with 1 contact in s 3 A at 110 V, DC L/R ≤ 15 ms (with 1 contact in s 0.5 A at 110 V, DC L/R ≤ 50 ms (with 3 contacts i 10 A at 60 V, DC L/R ≤ 15 ms (with 2 contacts in 2.5 A at 24 V, DC L/R ≤ 50 ms (with 3 contacts in 1 A at 60 V, DC L/R ≤ 50 ms (with 3 contacts in s 6 A at 110 V, DC L/R ≤ 15 ms (with 3 contacts in
SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING	10 A gG/gL, 500 V, Max. Fuse, Contacts
TERMINAL CAPACITY (SOLID)	2 x (0.75 - 2.5) mm², Screw terminals 1 x (0.75 - 2.5) mm², 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	λ < 5 x 10-7 (1 failure at 2,000,000 operations for U = 17 V, Imin = 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 screw 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)	0
SHORT-CIRCUIT PROTECTION RATING	Max. 10 A gG/gL, Fuse, Without welding, Auxilia
MODEL	Top mounting
RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V	0.5 A
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
SHOCK RESISTANCE	7 g, N/O auxiliary contact, Basic unit with auxiliary Mechanical, according to IEC/EN 60068-2-27, Half- ms 5 g, N/C auxiliary contact, Basic unit with auxiliary Mechanical, according to IEC/EN 60068-2-27, Half- 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

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