

DIL CONTACTORS
277375



Overview



Specifications



Resources

How to

277375

Eaton Moeller® series DILM Auxiliary contact mo
Front fixing, Screw terminals, DILM7-10 - DILM38-



[WIN-WIN with Push-in Terminals](#)

[How to improve wiring](#)



GENERAL SPECIFICATIONS

General specifications



PRODUCT NAME Eaton Moeller® series DILM auxiliary contact mod

CATALOG NUMBER 277375

Product specifications



MODEL CODE DILM32-XHI02

EAN 4015082773755

PRODUCT LENGTH/DEPTH 45 mm

PRODUCT HEIGHT 38 mm

PRODUCT WIDTH 36 mm

PRODUCT WEIGHT 0.038 kg

CERTIFICATIONS

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

PRODUCT SPECIFICATIONS

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

TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)

2 x (0.75 - 2.5) mm²

	1 x (0.75 - 2.5) mm ²
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
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
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
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	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 be lifted.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be lifted.
SAFE ISOLATION	400 V AC, Between auxiliary contacts, According to IEC 60947-5-1 400 V AC, Between coil and auxiliary contacts, According to IEC 60947-5-1
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V,	1.5 A

230 V, 240 V	0 A
ELECTRIC CONNECTION TYPE	Screw connection
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided 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
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)	3 A at 110 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) 10 A at 24 V, DC L/R ≤ 15 ms (with 1 contact in series) 6 A at 60 V, DC L/R ≤ 15 ms (with 1 contact in series)
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 2 x (0.75 - 2.5) mm ²
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
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 rise. Eaton will provide heat dissipation data for the device.
FUNCTIONS	For standard applications
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 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, 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, Mechanical, according to IEC 60068-2-27, Halfsinusoidal shock 10 ms 7 g, N/O auxiliary contact, Mechanical, according to IEC 60068-2-27, Halfsinusoidal shock 10 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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