

Eaton 106112

Eaton Moeller® series DILM Auxiliary contact module, 4 pole, Ith= 16 A, 3 N/O, 1 NC, Front fixing, Screw terminals, DILM7-10 - DILM38-10

General specifications

PRODUCT NAME	Eaton Moeller® series DILM auxiliary contact module
CATALOG NUMBER	106112
EAN	4015081058822
PRODUCT LENGTH/DEPTH	45 mm
PRODUCT HEIGHT	38 mm
PRODUCT WIDTH	36 mm
PRODUCT WEIGHT	0.048 kg
CERTIFICATIONS	CSA-C22.2 No. 14-05 UL UL Category Control No.: NKCR UL File No.: E29184 CSA CE CSA Class No.: 3211-03 VDE 0660 UL 508 IEC/EN 60947 IEC/EN 60947-4-1 CSA File No.: 012528
MODEL CODE	DILM32-XHI31

Charakterytyka & Funkcje

FEATURES	Interlocked opposing contacts within an auxiliary contact module (according to IEC 60947-5-1 Annex L)
FUNCTIONS	For standard applications
FITTED WITH:	Interlocked opposing contacts
NUMBER OF POLES	Four-pole
ELECTRIC CONNECTION TYPE	Screw connection

Warunki otoczenia, mechaniczne

SHOCK RESISTANCE	7 g, N/O auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 5 g, N/C auxiliary contact, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
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Parametry ogólne

CONNECTION	Screw terminals
LIFESPAN, ELECTRICAL	1,300,000 Operations (at 230 V, AC-15, 3 A)
MODEL	Top mounting
MOUNTING METHOD	Front fastening
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
PROTECTION	Finger and back-of-hand proof, Protection against direct contact when actuated from front (EN 50274)
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
TYPE	Front mounting auxiliary contact

Klimatyczne warunki środowiskowe

AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

Pojemność zacisków

TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.75 - 2.5) mm ²
	2 x (0.75 - 2.5) mm ²

TERMINAL CAPACITY (SOLID)	2 x (0.75 - 2.5) mm ² 1 x (0.75 - 2.5) mm ²
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TERMINAL CAPACITY (SOLID/STRANDED AWG)	18 - 14
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SCREWDRIVER SIZE	2, Terminal screw, Pozidriv screwdriver
	0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver

TIGHTENING TORQUE	1.2 Nm, Screw terminals
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Elektryczna moc znamionowa

RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	6 A
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RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V	4 A
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RATED OPERATIONAL CURRENT (IE) AT AC-15, 500 V	1.5 A
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RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	2.5 A
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RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V	1 A
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RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V	0.5 A
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RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V	0.25 A
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RATED INSULATION VOLTAGE (UI)	690 V
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RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	500 V
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Wytrzymałość zwarcia

SHORT-CIRCUIT PROTECTION RATING	Max. 10 A gG/gL, Fuse, Without welding, Auxiliary contacts
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SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING	10 A gG/gL, 500 V, Max. Fuse, Contacts
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Zdolność przełączania

SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	10 A, 600 V AC, (UL/CSA) 1 A, 250 V DC, (UL/CSA)
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SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	P300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
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Styki

**CONTROL CIRCUIT
RELIABILITY** $\lambda < 5 \times 1/10^7$ (1 failure at
2,000,000 operations for
 $U_e = 24 \text{ V DC}$, $U_{min} = 17 \text{ V}$,
 $I_{min} = 5.4 \text{ mA}$)

**NUMBER OF CONTACTS
(CHANGE-OVER
CONTACTS)**

0

**NUMBER OF CONTACTS
(NORMALLY CLOSED
CONTACTS)**

1

**NUMBER OF CONTACTS
(NORMALLY OPEN
CONTACTS)**

3

Bezpieczeństwo

SAFE ISOLATION 400 V AC, Between coil
and auxiliary contacts,
According to EN 61140
400 V AC, Between
auxiliary contacts,
According to EN 61140

Weryfikacja projektu konstrukcji

EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.16 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	4 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
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.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.

Do pobrania

DEKLARACJE ZGODNOŚCI	eaton-accessory-declaration-of-conformity-eu250793en.pdf
INSTRUKCJE MONTAŻU	eaton-contactors-dila-dilm7-15-dilmp20-il03407013z.pdf
MODELE ECAD	ETN.106112.edz
MODELE MCAD	DA-CD-dil_m32_xhi_4 DA-CS-dil_m32_xhi_4
RYSUNKI	eaton-contactors-module-dilm-dimensions.eps eaton-contactors-contact-dilm-accessory-3d-drawing-008.eps
SCHEMATY POŁĄCZEŃ	2100SWI-139

10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATA:



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