



Eaton 199314

Eaton Moeller® series DILA Auxiliary contact module, 2 pole, Ith= 16 A, 1 N/O, 1 NC, Front fixing, Push in terminals, DILA, DILM7 - DILM38

General specifications

PRODUCT NAME Eaton Moeller® series
DILA Accessory Auxiliary
contact module

CATALOG NUMBER 199314

EAN 4015081973989

**PRODUCT
LENGTH/DEPTH** 54 mm

PRODUCT HEIGHT 38 mm

PRODUCT WIDTH 36 mm

PRODUCT WEIGHT 0.039 kg

CERTIFICATIONS

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

CATALOG NOTES

Rated operational current:
Switch-on and switch-off
conditions based on DC-
13, time constant as
specified. Auxiliary
contacts used as mirror
contacts according to
IEC/EN 60947-4-1
Appendix F (not N/C late
open)

MODEL CODE DILA-XHI11-PI

Features & Functions

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	Two-pole
ELECTRIC CONNECTION TYPE	Spring clamp connection

General

DEGREE OF PROTECTION	IP20
SHOCK RESISTANCE	5 g, N/C auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms 7 g, N/O auxiliary contact, Basic unit with auxiliary contact module, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 10 ms
LIFESPAN, ELECTRICAL	1,300,000 Operations (at 230 V, AC-15, 3 A)
LIFESPAN, MECHANICAL	10,000,000 Operations (DC operated) 10,000,000 Operations (AC operated)
MODEL	Top mounting
MOUNTING METHOD	Front fastening
OPERATING FREQUENCY	9000 Operations/h
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

Climatic environmental conditions

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

TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	1 x (0.5 - 1.5) mm ² 2 x (0.5 - 1.5) mm ²
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TERMINAL CAPACITY (FLEXIBLE)	1 x (0.5 - 2.5) mm ² 2 x (0.5 - 2.5) mm ²
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TERMINAL CAPACITY (SOLID)	1 x (0.5 - 2.5) mm ² 2 x (0.5 - 2.5) mm ²
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TERMINAL CAPACITY (SOLID/STRANDED AWG)	20 - 14
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Electrical rating

**CONVENTIONAL
THERMAL CURRENT ITH
AT 60°C (3-POLE, OPEN)** 16 A

**CONVENTIONAL
THERMAL CURRENT ITH
OF AUXILIARY CONTACTS
(1-POLE, OPEN)** 0.16 A

RATED OPERATIONAL CURRENT (IE)

0.25 A at 220 V, DC L/R $\leq$ 50 ms (with 3 contacts in series)
3 A at 110 V, DC L/R $\leq$ 15 ms (with 1 contact in series)
0.5 A at 110 V, DC L/R $\leq$ 50 ms (with 3 contacts in series)
5 A at 220 V, DC L/R $\leq$ 15 ms (with 3 contacts in series)
2.5 A at 24 V, DC L/R $\leq$ 50 ms (with 3 contacts in series)
10 A at 24 V, DC L/R $\leq$ 15 ms (with 1 contact in series)
1 A at 60 V, DC L/R $\leq$ 50 ms (with 3 contacts in series)
6 A at 110 V, DC L/R $\leq$ 15 ms (with 3 contacts in series)
1 A at 220 V, DC L/R $\leq$ 15 ms (with 1 contact in series)
10 A at 60 V, DC L/R $\leq$ 15 ms (with 2 contacts in series)
6 A at 60 V, DC L/R $\leq$ 15 ms (with 1 contact in series)

**RATED OPERATIONAL
CURRENT (IE) AT AC-15,
220 V, 230 V, 240 V** 4 A

**RATED OPERATIONAL
CURRENT (IE) AT AC-15,
380 V, 400 V, 415 V** 4 A

**RATED OPERATIONAL
CURRENT (IE) AT AC-15,
500 V** 1.5 A

**RATED OPERATIONAL
CURRENT (IE) AT DC-13,
24 V** 2.5 A

**RATED OPERATIONAL
CURRENT (IE) AT DC-13,** 1 A

Communication

CONNECTION TYPE Push in terminals

60 V	
RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V	0.5 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V	0.25 A
RATED INSULATION VOLTAGE (UI)	690 V
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	500 V
SHORT-CIRCUIT PROTECTION RATING WITHOUT WELDING	10 A gG/gL, 500 V, Max. Fuse, Contacts
SAFE ISOLATION	400 V AC, Between auxiliary contacts, According to EN 61140 400 V AC, Between coil and auxiliary contacts, According to EN 61140
SWITCHING CAPACITY (AUXILIARY CONTACTS, GENERAL USE)	10 A, 600 V AC, (UL/CSA) 1 A, 250 V DC, (UL/CSA)
SWITCHING CAPACITY (AUXILIARY CONTACTS, PILOT DUTY)	A600, AC operated (UL/CSA) P300, DC operated (UL/CSA)

Contacts	
CONTROL CIRCUIT RELIABILITY	$\lambda < 5 \times 1/10^7$ (1 failure at 2,000,000 operations for $U_e = 24$ V DC, $U_{min} = 17$ V, $I_{min} = 5.4$ mA)
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1

Zdroje	
DECLARATIONS OF CONFORMITY	DA-DC-00004811.pdf
	DA-DC-00004881.pdf
	DA-DC-00004913.pdf
	DA-DC-00004912.pdf
	DA-DC-00004789.pdf
ECAD MODEL	DA-DC-00004880.pdf
	DA-DC-00005005.pdf
	DA-DC-00004819.pdf
MCAD MODEL	ETN.199314.edz
SCHÉMATA ZAPOJENÍ	dil_a_xhi_4_pi.stp
	dil_a_xhi_4_pi.dwg
VÝKRESY	2100SWI-113
	eaton-contactors-dimensions-007.eps

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATUM:



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