

Eaton 276425

Catalog Number: 276425

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

General specifications

Product Name	Catalog Number
Eaton Moeller® series DILA Accessory Auxiliary contact module	276425
	EAN
	4015081830206
Product Length/Depth	Product Height
45 mm	38 mm
Product Width	Product Weight
36 mm	0.048 kg
Certifications	Model Code
CSA	DILA-XHI13
CSA-C22.2 No. 14-05	
VDE 0660	
IEC/EN 60947	
IEC/EN 60947-4-1	
CSA File No.: 012528	
CE	
UL	
UL File No.: E29184	
UL 508	
UL Category Control No.: NKCR	
CSA Class No.: 3211-03	

Cechy i funkcje

Features

Interlocked opposing contacts within an auxiliary contact module (according to IEC 60947-5-1 Annex L)

Functions

For standard applications

Fitted with:

Switching elements according to EN 50005
Interlocked opposing contacts

Number of poles

Four-pole

Electric connection type

Screw connection

Parametry ogólne

Degree of protection

IP20

Shock resistance

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

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

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

Klimatyczne warunki otoczenia

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

Pojemność zacisków

Terminal capacity (flexible with ferrule)

2 x (0.75 - 2.5) mm², Screw terminals

1 x (0.75 - 2.5) mm², Screw terminals

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, constant, to IEC 60068-2-78

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

Terminal capacity (solid)

1 x (0.75 - 2.5) mm², Screw terminals

2 x (0.75 - 2.5) mm², Screw terminals

Terminal capacity (solid/stranded AWG)

18 - 14

Screw size

M3.5, Terminal screw

Screwdriver size

0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver

2, Terminal screw, Pozidriv screwdriver

Tightening torque

1.2 Nm, Screw terminals

Elektryczna moc znamionowa

Conventional thermal current I_{th} at 60°C (3-pole, open)

16 A

Rated operational current (I_e)

5 A at 220 V, DC L/R \leq 15 ms (with 3 contacts 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)

1 A at 220 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)

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)

3 A at 110 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)

0.25 A at 220 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)

Rated operational current (I_e) 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, 60 V

1 A

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

Max. 10 A gG/gL, Fuse, Without welding, Auxiliary contacts

Short-circuit protection rating without welding

10 A gG/gL, 500 V, Max. Fuse, Contacts

Safe isolation

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

400 V AC, Between 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)

P300, DC operated (UL/CSA)

A600, AC operated (UL/CSA)

Komunikacja

Connection type

Screw connection

Styki

Code number

35 in combination with DILA(C)-22

53E in combination with DILA(C)-40

44 in combination with DILA(C)-31

Control circuit reliability

$\lambda < 5 \times 10^{-7}$ (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)

3

Number of contacts (normally open contacts)

1

Weryfikacja projektu

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdis

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.

[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.

Do pobrania

Certyfikaty

[DA-DC-00004245.pdf](#)

[DA-DC-00004109.pdf](#)

[DA-DC-00004246.pdf](#)

Deklaracje zgodności

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DWG

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[eaton-contactors-contact-dilm-accessory-3d-drawing-008.eps](#)

eCAD model

[ETN.DILA-XHI13](#)

Instrukcje montażu

[eaton-contactors-dila-dilm7-15-dilmp20-instruction-leaflet-il03407013z.pdf](#)

mCAD model

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.

[dil_a_xhi_4.stp](#)

[dil_a_xhi_4](#)

Schematy połączeń

[eaton-contactors-contact-dila-accessory-wiring-diagram-003.eps](#)

[2100SWI-114](#)



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