

Auxiliary contact module DILA, Four-pole, Ith= 16 A, 4 N/O, Front fastening, Push in terminals, DILA, DILM7 - DILM38
Part no. **DILA-XHI40-PI**
199317
General specifications

Product name	Eaton Moeller® series DILA Accessory Auxiliary contact module
Part no.	DILA-XHI40-PI
EAN	4015081974016
Product Length/Depth	54 millimetre
Product height	38 millimetre
Product width	36 millimetre
Product weight	0.051 kilogram
Certifications	IEC/EN 60947 VDE 0660 CSA UL Category Control No.: NKCR UL UL File No.: E29184 CSA Class No.: 3211-03 UL 508 CSA-C22.2 No. 14-05 CE marking CSA File No.: 012528
Product Tradename	DILA
Product Type	Accessory
Product Sub Type	Auxiliary contact module
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)

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	Four-pole
Electric connection type	Spring clamp connection

General information

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 (AC operated) 10,000,000 Operations (DC operated)
Model	Top mounting
Mounting method	Front fastening
Operating frequency	9000 Operations/h
Overtvoltage 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
Used with	DILA DILM7 - DILM38

Climatic environmental conditions

Ambient operating temperature - min	-25 °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
Terminal capacities	
Terminal capacity (flexible with ferrule)	1 x (0.5 - 1.5) mm ² 1 x (0.5 - 2.5) mm ² 2 x (0.5 - 2.5) mm ² , Push-in terminals, ferrule to DIN 46228-1 1 x (0.5 - 1.5) mm ² , Push-in terminals, ferrule to DIN 46228-4
Terminal capacity (flexible)	1 x (0.5 - 2.5) mm ² 2 x (0.5 - 2.5) mm ²
Terminal capacity (solid)	1 x (0.5 - 0.25) mm ² 2 x (0.5 - 2.5) mm ² , Control circuit cables
Terminal capacity (solid/stranded AWG)	20 - 14
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)	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) 1 A at 60 V, DC L/R ≤ 50 ms (with 3 contacts in series) 0.5 A at 110 V, DC L/R ≤ 50 ms (with 3 contacts in series) 6 A at 60 V, DC L/R ≤ 15 ms (with 1 contact in series) 6 A at 110 V, DC L/R ≤ 15 ms (with 3 contacts in series) 0.25 A at 220 V, DC L/R ≤ 50 ms (with 3 contacts in series) 10 A at 60 V, DC L/R ≤ 15 ms (with 2 contacts in series) 2.5 A at 24 V, DC L/R ≤ 50 ms (with 3 contacts in series) 5 A at 220 V, DC L/R ≤ 15 ms (with 3 contacts in series) 10 A at 24 V, DC L/R ≤ 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, 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 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)
Communication	
Connection type	Push in terminals
Contacts	
Control circuit reliability	< 2 λ, < 1 failure at 100,000,000 Operations (at U# = 24 V DC, Umin = 17 V, Imin = 5.4 mA)
Number of contacts (change-over contacts)	0
Number of contacts (normally closed contacts)	0
Number of contacts (normally open contacts)	4

Technical data ETIM 8.0

Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)	
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss10.0.1-27-37-13-02 [AKN342013])	
Number of contacts as change-over contact	0
Number of contacts as normally open contact	4
Number of contacts as normally closed contact	0
Number of fault-signal switches	0

Rated operation current I_e at AC-15, 230 V	A	4
Type of electric connection		Spring clamp connection
Model		Top mounting
Mounting method		Front fastening
Lamp holder		None