

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

EL Number

4116743

(Norway)

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
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
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 I_{th} at 60°C (3-pole, open)		16 A
Conventional thermal current I_{th} of auxiliary contacts (1-pole, open)		0.16 A
Rated operational current (I_e)		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 (I_e) at AC-15, 220 V, 230 V, 240 V		4 A
Rated operational current (I_e) at AC-15, 380 V, 400 V, 415 V		4 A
Rated operational current (I_e) at AC-15, 500 V		1.5 A
Rated operational current (I_e) at DC-13, 24 V		2.5 A
Rated operational current (I_e) at DC-13, 60 V		1 A
Rated operational current (I_e) at DC-13, 110 V		0.5 A
Rated operational current (I_e) at DC-13, 220 V, 230 V		0.25 A
Rated insulation voltage (U_i)		690 V
Rated operational voltage (U_e) 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		$\lambda < 5 \times 10^{-7}$ (1 failure at 2,000,000 operations for $U_{\#} = 24$ V DC, $U_{min} = 17$ V, $I_{min} = 5.4$ mA)
Number of contacts (change-over contacts)		0
Number of contacts (normally closed contacts)		0
Number of contacts (normally open contacts)		4

Technical data ETIM 9.0

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@ss13-27-37-13-02 [AKN342018])		
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		Clip-on
Mounting method		Front fastening
Lamp holder		None