

Auxiliary contact module, 2 pole, Ith= 16 A, 2 NC, Front fixing, Spring-loaded terminals, DILA, DILM7 - DILM38



Part no. **DILA-XHIC02**

276526

EL Number
(Norway) **4110267**

General specifications		
Product name		Eaton Moeller® series DILA Accessory Auxiliary contact module
Part no.		DILA-XHIC02
EAN		4015082765262
Product Length/Depth		55 millimetre
Product height		38 millimetre
Product width		36 millimetre
Product weight		0.045 kilogram
Compliances		CE Marked
Certifications		EN 60947-4-1 IEC 60947-4-1 CSA Std. C22.2 No. 14-05 UL 508 CSA IEC/EN 60947 IEC/EN 60947-4-1 VDE 0660 CSA Class No.: 3211-03 UL Category Control No.: NKCR CSA File No.: 012528 UL File No.: E29184 UL CSA-C22.2 No. 14-05 CE
Product Tradename		DILA
Product Type		Accessory
Product Sub Type		Auxiliary contact module
Catalog Notes		This item can only be ordered until December 31, 2023 with a maximum delivery date of May 31, 2024.
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 Switching elements according to EN 50005
Number of poles		Two-pole
Electric connection type		Spring clamp connection
General information		
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 (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		DILMP

			DILL DILA DILM DILM(C)
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 (0.75 - 1.5) mm ² , Spring-loaded terminals 2 x (0.75 - 1.5) mm ² , Spring-loaded terminals
Terminal capacity (solid)			2 x (0.75 - 2.5) mm ² , Spring-loaded terminals 1 x (0.75 - 2.5) mm ² , Spring-loaded terminals
Terminal capacity (solid/stranded AWG)			18 - 14
Screw size			M3.5, Terminal screw
Screwdriver size			0.6 x 3.5 mm, Spring-loaded terminals
Electrical rating			
Conventional thermal current I _{th} at 60°C (3-pole, open)			16 A
Rated operational current (I _e)			10 A at 24 V, DC L/R ≤ 15 ms (with 1 contact in series) 3 A at 110 V, DC L/R ≤ 15 ms (with 1 contact in series) 0.5 A at 110 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) 6 A at 110 V, DC L/R ≤ 15 ms (with 3 contacts in series) 1 A at 60 V, DC L/R ≤ 50 ms (with 3 contacts in series) 1 A at 220 V, DC L/R ≤ 15 ms (with 1 contact in series) 2.5 A at 24 V, DC L/R ≤ 50 ms (with 3 contacts in series) 0.25 A at 220 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) 5 A at 220 V, DC L/R ≤ 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 (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			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)			A600, AC operated (UL/CSA) P300, DC operated (UL/CSA)
Communication			
Connection type			Spring-loaded terminals
Contacts			
Code number			33 in combination with DILA(C)-31 24 in combination with DILA(C)-22 42E
Control circuit reliability			λ < 5 x 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)			2
Number of contacts (normally open contacts)			0
Design verification			
Equipment heat dissipation, current-dependent P _{vid}			0 W

Heat dissipation capacity P _{diss}			0 W
Heat dissipation per pole, current-dependent P _{vid}			0.16 W
Rated operational current for specified heat dissipation (I _n)			4 A
Static heat dissipation, non-current-dependent P _{vs}			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.
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.

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 (ecI@ss13-27-37-13-02 [AKN342018])			
Number of contacts as change-over contact			0
Number of contacts as normally open contact			0
Number of contacts as normally closed contact			2
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