

Auxiliary contact module, 1 pole, Ith= 16 A, 1 NC, Side mounted, Screw terminals, DILA, DILM7 - DILM15



Part no. DILA-XHI01-S
115949
EL Number 4110210
(Norway)

General specifications	
Product name	Eaton Moeller® series DILA Accessory Auxiliary contact module
Part no.	DILA-XHI01-S
EAN	4015081156894
Product Length/Depth	66 millimetre
Product height	48 millimetre
Product width	15 millimetre
Product weight	0.024 kilogram
Certifications	CSA VDE 0660 UL CSA File No.: 012528 CSA-C22.2 No. 14-05 IEC/EN 60947 CE UL File No.: E29184 CSA Class No.: 3211-03 UL 508 IEC/EN 60947-4-1 UL Category Control No.: NKCR
Product Tradename	DILA
Product Type	Accessory
Product Sub Type	Auxiliary contact module
Catalog Notes	Auxiliary contacts used as mirror contacts (according to IEC/EN 60947-4-1 Appendix F (not N/C late open)) Interlocked opposing contacts according to IEC/EN 60947-5-1 appendix L, inside the auxiliary contact modules, also for the integrated auxiliary contacts of the DILM 7 - DILM32 Rated operational current: Switch-on and switch-off conditions based on DC-13, time constant as specified. Version E combinations correspond to EN 50011 and are to be preferred.
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	Single-pole
Electric connection type	Screw connection
General information	
Degree of protection	IP20
Lifespan, electrical	1,300,000 Operations (at 230 V, AC-15, 3 A)
Model	Top mounting
Mounting method	Side mounting
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 6000 V
Type	Side-mounting auxiliary contacts
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, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Terminal capacities	
Terminal capacity (flexible with ferrule)	2 x (0.75 - 2.5) mm ² , Screw terminals 1 x (0.75 - 2.5) mm ² , Screw terminals
Terminal capacity (solid)	1 x (0.75 - 2.5) mm ² , Screw terminals 2 x (0.75 - 2.5) mm ² , Screw terminals
Terminal capacity (solid/stranded AWG)	18 - 14, Screw terminals
Screwdriver size	2, Terminal screw, Pozidriv screwdriver 0.8 x 5.5/1 x 6 mm, Terminal screw, Standard screwdriver
Tightening torque	1.2 Nm, Screw terminals
Electrical rating	
Conventional thermal current I_{th} at 60°C (3-pole, open)	16 A
Rated operational current (I_e)	1 A at 220 V, DC L/R ≤ 15 ms (with 1 contact in series) 10 A at 24 V, DC L/R ≤ 15 ms (with 1 contact in series) 6 A at 60 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)
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)	1 A, 250 V DC, (UL/CSA) 10 A, 600 V AC, (UL/CSA)
Switching capacity (auxiliary contacts, pilot duty)	P300, DC operated (UL/CSA) A600, AC operated (UL/CSA)
Communication	
Connection type	Screw connection
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)	1
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}	0.1 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
(ecl@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			1
Number of fault-signal switches			0
Rated operation current I _e at AC-15, 230 V		A	4
Type of electric connection			Screw connection
Model			Clip-on
Mounting method			Side mounting
Lamp holder			None