DATASHEET - DILA-XHIR22

Auxiliary contact module, 4 pole, Ith= 16 A, 2 N/O, 2 NC, Microswitch, Front fixing, Screw terminals, DILA, DILM7 - DILM38



	Part no. EL Number	DILA-XHIR22 139580 4110223	Towening Dusiness Wondwide
- · · ·	(Norway)		
General specifications	5		
Product name			Eaton Moeller® series DILA Accessory Auxiliary contact module
Part no.			DILA-XHIR22
EAN			4015081363582
Product Length/Depth			45 millimetre
Product height			42 millimetre
Product width			36 millimetre
Product weight			0.05 kilogram
Certifications			CSA Class No.: 3211-03 IEC/EN 60947 UL CSA UL File No.: E29184 CE VDE 0660 UL Category Control No.: NKCR CSA-C22.2 No. 14-05 UL 508 CSA File No.: 012528 IEC/EN 60947-4-1
Product Tradename			DILA
Product Type			Accessory
Product Sub Type			Auxiliary contact module
Catalog Notes Features & Functions			All auxiliary N/C contacts (81/82 N/C microswitches as well) can be used as a mirror contact as defined in IEC/EN 60947-4-1 Appendix F (not NC late-break) Conventional 63/64 N/O and 71/72 N/C auxiliary contacts with interlocked opposing contacts, in accordance with IEC/EN 60947-5-1 Appendix L, inside the auxiliary contact modules and for the integrated auxiliary contacts in DILM 7 - DILM32 units (not microswitches) 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			Interlocked opposing contacts within an auxiliary contact module (according to IE)
Functions			60947-5-1 Annex L)
Functions			For electronic applications For standard applications
Fitted with:			Switching elements according to EN 50005 Interlocked opposing contacts
Number of poles			Four-pole
Electric connection type			Screw 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) 1,300,000 Operations (at DC-12, 24 V / 50 mA)
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)

	2000.1/ 4.0			
Rated impulse withstand voltage (Uimp)	6000 V AC			
Туре	Front mounting auxiliary contact			
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 - 1.5) mm², Screw terminals 1 x (0.75 - 1.5) mm², Screw terminals			
Terminal capacity (solid)	2 x (0.75 - 2.5) mm², Screw terminals 1 x (0.75 - 2.5) mm², Screw terminals			
Terminal capacity (solid/stranded AWG)	18 - 14, Screw terminals			
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			
Electrical rating				
Conventional thermal current ith at 60°C (3-pole, open)	16 A			
Conventional thermal current ith of auxiliary contacts (1-pole, open)	0.5 A			
Rated operational current (le)	0.25 A at 220 V, DC L/R \leq 50 ms (with 3 contacts in series)			
	0.3 A at DC-12, 60 V 10 A at 60 V, DC L/R \leq 15 ms (with 2 contacts in series) 5 A at 220 V, DC L/R \leq 15 ms (with 3 contacts in series) 1 A at 60 V, DC L/R \leq 50 ms (with 3 contacts in series) 0.5 A at 110 V, DC L/R \leq 50 ms (with 3 contacts in series) 3 A at 110 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) 6 A at 110 V, DC L/R \leq 15 ms (with 1 contact in series) 0.5 A at 0C-12, 24 V 10 A at 24 V, DC L/R \leq 15 ms (with 1 contact in series) 6 A at 60 V, DC L/R \leq 15 ms (with 1 contact in series)			
Rated operational current (Ie) - min	1 A			
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 operational voltage (Ue) - min	3 V			
Rated operational voltage (Ue) at DC - max	60 V			
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	1.6 A gG/gL, Max. Fuse, Electrical specifications for microswitch auxiliary contacts 53-54 and 81-82 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)	0.1 A, 250 V DC, (UL/CSA)			
Communication				
Connection type	Screw connection			
Contacts				
Code number	33 in combination with DILA(C)-22 42 in combination with DILA(C)-31 51E in combination with DILA(C)-40			

10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must observed.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must observed.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton wil provide heat dissipation data for the devices.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.4 Resistance to ultra-violet (UV) radiation	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.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.2 Corrosion resistance	Meets the product standard's requirements.
Static heat dissipation, non-current-dependent Pvs	0 W
Rated operational current for specified heat dissipation (In)	4 A
leat dissipation per pole, current-dependent Pvid	0.16 W
leat dissipation capacity Pdiss	0 W
Equipment heat dissipation, current-dependent Pvid	0 W
sign verification	
Number of contacts (normally open contacts)	2
Number of contacts (normally closed contacts)	2
Number of contacts (change-over contacts)	0
	mA) $\lambda < 5.3 \times 10$ -8 (1 failure at 19,000,000 operations for U# = 24 V DC, Umin = 17 V, Ir 1 mA)

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			2				
Number of contacts as normally closed contact			2				
Number of fault-signal switches			0				
Rated operation current le at AC-15, 230 V		A	4				
Type of electric connection			Screw connection				
Model			Clip-on				
Mounting method			Front fastening				
Lamp holder			None				