DATASHEET - 22DILEM-C



Auxiliary contact module, 4 pole, 2 N/O, 2 NC, Front fixing, Spring-loaded terminals, DILE(E)M...-C



Part no.22DILEM-CCatalog No.230256Alternate CatalogXTMCXFCC22No.No.

Delivery program

Accessories			Auxiliary contact modules
Description			with interlocked opposing contacts Switching elements according to EN 50012 Switching elements according to EN 50012 are to be preferred. Version E combinations correspond to EN 50011 and are to be preferred.
Function			for standard applications
Number of poles			4 pole
Connection technique			Spring-loaded terminals
Rated operational current			
AC-15			
220 V 230 V 240 V	le	А	4
380 V 400 V 415 V	le	А	2
380 V 400 V 500 V	le	А	1.5
Contacts			
N/O = Normally open			2 N/O
N/C = Normally closed			2 NC
Mounting type			Front fixing
Contact sequence			$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
For use with			DILE(E)M-10-C(-G)()
Instructions			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 DILER, DILE(E)M Auxiliary contacts used as mirror contacts according to IEC/EN 60947-4-1 Appendix F (not N/C late open)

Technical data

General			
Standards			IEC/EN 60947, VDE 0660, UL, CSA
Lifespan, mechanical			
AC operated	Operations	x 10 ⁶	10
DC operated	Operations	x 10 ⁶	20
Component lifespan at U _e = 240 V			
AC-15	Operations	x 10 ⁶	0.2
DC			
L/R = 50 ms: 2 contacts in series at I_{e} = 0.5 A	Operations	x 10 ⁶	0.15
Maximum operating frequency	Operations/h		9000
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open		°C	-25 - +50
Enclosed		°C	- 25 - 40
Ambient temperature, storage		°C	- 40 - 80
Mounting position			
Mounting position			As required, except vertical with terminals A1/A2 at the bottom

Machanical shack resistance /IEC/EN 60069 2 27)			
Mechanical shock resistance (IEC/EN 60068-2-27) Half-sinusoidal shock, 10 ms			
Basic unit with auxiliary contact module		g	
N/O contact		g	10
N/C contact		g	8
Degree of Protection			IP20
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof
Weight		kg	0.042
Terminal capacities		mm ²	
Spring-loaded terminals			
Flexible with ferrule		mm ²	1 x (1 - 2.5) 2 x (1 - 2.5)
Solid or stranded		AWG	Single 16 – 14/Double 16 - 14
Standard screwdriver		mm	0.6 x 3.5
Contacts			
Interlocked opposing contacts within an auxiliary contact module (to IEC 60947-5- Annex L)	1		Yes
Rated impulse withstand voltage	U _{imp}	V AC	6000
Overvoltage category/pollution degree			111/3
Rated insulation voltage	Ui	V AC	690
Rated operational voltage	Ue	V AC	600
Safe isolation to EN 61140	- 6		
between coil and auxiliary contacts		V AC	300
between the auxiliary contacts		V AC	300
Rated operational current		A	
Conventional free air thermal current, 1 pole		~	
Notes			At maximum permissible ambient air temperature.
Conv. thermal current	L.	A	10
	l _{th}	A	
AC-15			
220 V 230 V 240 V	l _e	A	4
380 V 400 V 415 V	l _e	A	2
500 V	l _e	A	1.5
DC current			
			Switch-on and switch-off conditions based on DC-13, time constant as specified.
DC L/R ≦ 15 ms			
Contacts in series:		A	
1	24 V	А	2.5
2	60 V	А	2.5
3	110 V	A	1.5
3	220 V	А	0.5
Control circuit reliability	Failure rate	λ	<10 ⁻⁸ , < one failure at 100 million operations (at U _e = 24 V DC, U _{min} = 17 V, I _{min} = 5.4 mA)
Short-circuit rating without welding			
Maximum overcurrent protective device			
220 V 230 V 240 V		PKZM0	4
380 V 400 V 415 V		PKZM0	4
Short-circuit protection maximum fuse			
500 V		A gG/gL	6
500 V		A fast	10
Current heat loss at I _{th}			
AC operated		W	1.5
DC operated		W	1.5
Current heat loss per auxiliary circuit at I _e (AC-15/230 V)		CO	0.24
Rating data for approved types			
Auxiliary contacts			
Pilot Duty			

AC operated		A600
DC operated		P300
General Use		
AC	V	600
AC	А	10
DC	V	250
DC	А	0.5

10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear	Design verification as per IEC/EN 61439			
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10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear	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 b observed.
10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear observed.	10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must b observed.
10.13 Mechanical function The device meets the requirements, provided the information in the instru leaflet (IL) is observed.	10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

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			2
Number of contacts as normally closed contact			2
Number of fault-signal switches			0
Rated operation current le at AC-15, 230 V		Α	4
Type of electric connection			Spring clamp connection

Model	Top mounting
Mounting method	Front fastening
Lamp holder	None
Approvals	
Product Standards	IEC/EN 60947-4-1; UL 508; CSA-C22.2 No. 14-05; CE marking
UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	012528
CSA Class No.	3211-03
North America Certification	UL listed, CSA certified
Specially designed for North America	No

Characteristics



