DATASHEET - M22-KC10



Contact element, Screw terminals, Base fixing, 1 N/O, 24 V 3 A, 220 V 230 V 240 V 6 A

Part no.	**M22-KC10**
	216380
EL Number (Norway)	**4355365**

General specifications

Product name	Eaton Moeller® series M22 Accessory Contact element
Part no.	M22-KC10
EAN	4015082163808
Product Length/Depth	38 millimetre
Product height	10 millimetre
Product width	32 millimetre
Product weight	0.01 kilogram
Compliances	CE Marked
Certifications	CSA Std. C22.2 No. 94-91 CSA Class No.: 3211-03 VDE CSA UL 508 IEC 60947-5-1 EN 60947-5 UL File No.: E29184 CE CSA-C22.2 No. 94-91 UL IEC/EN 60947-5 CSA-C22.2 No. 14-05 IEC 60947-5 CSA File No.: 012528 UL Category Control No.: NKCR CSA Std. C22.2 No. 14-05
Product Tradename	M22
Product Type	Accessory
Product Sub Type	Contact element

Features & Functions

Color	Green
Electric connection type	Screw connection

General information

Degree of protection	IP20
Lifespan, electrical	700,000 Operations (at 230 V, AC-15, 3 A) 1,600,000 Operations (at 230 V, 0.5 A) 1,000,000 Operations (at 230 V, AC-15, 1 A) 1,200,000 Operations (at 12 V, DC-13, 2.8 A)
Lifespan, mechanical	5,000,000 Operations
Model	Top mounting
Mounting method	Floor fastening
Operating frequency	3600 Operations/h
Operating torque	0.8 N·m
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp)	6000 V AC

Ambient conditions, mechanical

Shock resistance	30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

Climatic environmental conditions

Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Ambient storage temperature - min	-25 °C
Ambient storage temperature - max	85 °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)	0.5 - 1.5 mm^2
Terminal capacity (solid)	0.75 - 2.5 mm^2
Terminal capacity (stranded)	0.5 - 2.5 mm^2
Electrical rating	
Rated insulation voltage (Ui)	500 V
Rated operational current (Ie) at AC-15, 115 V	6 A
Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V	6 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	2 A
Rated operational current (Ie) at DC-13, 24 V	3 A
Rated operational current (Ie) at DC-13, 42 V	1.7 A
Rated operational current (Ie) at DC-13, 60 V	1.2 A
Rated operational current (Ie) at DC-13, 110 V	0.6 A
Rated operational current (Ie) at DC-13, 220 V, 230 V	0.3 A
Rated operational current (Ie) at DC-13, 500 V	0.1 A
Short-circuit rating	
Short-circuit protection	PKZM0-10/FAZ-B6/1, Contacts, Max. short-circuit protective device, Fuseless
Short-circuit protection rating	Max. 10 A gG/gL, Fuse, Contacts
Communication	
Connection to SmartWire-DT	No
Connection type	Screw connection Single contact Base fixing
Actuator	
Actuating force - max	5 N
Contacts	
Control circuit reliability	1 failure per 10,000,000 switching operations (Statistically determined, at 24 V DC/5 mA) 1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1 mA)
Force for positive opening - min	0 N
Number of contacts (change-over contacts)	0
Number of contacts (normally closed contacts)	0
Number of contacts (normally open contacts)	1
Design verification	
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	0.11 W
Rated operational current for specified heat dissipation (In)	6 A
Static heat dissipation, non-current-dependent Pvs	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			1
Number of contacts as normally closed contact			0
Number of fault-signal switches			0
Rated operation current Ie at AC-15, 230 V		A	6
Type of electric connection			Screw connection
Model			Clip-on
Mounting method			Floor fastening
Lamp holder			None

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