



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

Part no. M22-KC01
216382
EL Number 4355366
(Norway)

General specifications		
Product name		Eaton Moeller® series M22 Accessory Contact element
Part no.		M22-KC01
EAN		4015082163822
Product Length/Depth		38 millimetre
Product height		10 millimetre
Product width		32 millimetre
Product weight		0.01 kilogram
Compliances		CE Marked
Certifications		CSA File No.: 012528 EN 60947-5 UL Category Control No.: NKCR UL CSA-C22.2 No. 14-05 CE IEC 60947-5 CSA Class No.: 3211-03 IEC 60947-5-1 CSA Std. C22.2 No. 14-05 UL File No.: E29184 CSA UL 508 CSA Std. C22.2 No. 94-91 IEC/EN 60947-5 CSA-C22.2 No. 94-91
Product Tradename		M22
Product Type		Accessory
Product Sub Type		Contact element
Catalog Notes		Contacts with safety function, by positive opening to IEC/EN 60947-5-1
Features & Functions		
Electric connection type		Screw connection
General information		
Degree of protection		IP20
Lifespan, electrical		1,200,000 Operations (at 12 V, DC-13, 2.8 A) 1,000,000 Operations (at 230 V, AC-15, 1 A) 1,600,000 Operations (at 230 V, 0.5 A) 700,000 Operations (at 230 V, AC-15, 3 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, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

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		
Rated conditional short-circuit current (Iq)		1 kA
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		Single contact Base fixing
Actuator		
Actuating force - max		5 N
Actuator travel and actuation force (DIN EN 60947-5-1)		4.8 mm
Knob travel		5.7 mm
Contacts		
Control circuit reliability		1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1 mA) 1 failure per 10,000,000 switching operations (Statistically determined, at 24 V DC/5 mA)
Force for positive opening - min		15 N
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 Pvid		0 W
Heat dissipation capacity Pdis		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 (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			1
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