DATASHEET - M22-AK12SMC10

Combination of contact element and self-monitoring contact element M22-K01SMC10 with screw terminals, M22-A mounting adapter, and M22-XSMC signaling contact actuator., 2 N/O, 2 NC

Powering Business Worldwide

Part no.	**M22-AK12SMC10**
	173027
EL Number (Norway)	**4315276**

Product name	Eaton Moeller® series M22 Accessory Contact element
Part no.	M22-AK12SMC10
EAN	4015081696185
Product Length/Depth	40.2 millimetre
Product height	32.5 millimetre
Product width	47 millimetre
Product weight	0.047 kilogram
Certifications	CE CSA Class No.: 3211-03 UL CSA File No.: 012528_C_000 CSA-C22.2 No. 94-91 UL File No.: E340491 IEC 60947-5-1 CSA-C22.2 No. 14-05 CSA UL Category Control No.: NISD UL 508 IEC/EN 60947-5
Product Tradename	M22
Product Type	Accessory
Product Sub Type	Contact element
Catalog Notes	Combination of contact element and self-monitoring contact element M22-K01SMC10 with screw terminals, M22-A mounting adapter, and M22-XSMC signaling contact actuator. Contacts with safety function, by positive opening to IEC/EN 60947-5-1
Electric connection type	Screw connection
Degree of protection	IP20
Model	Top mounting
Mounting method	Front fastening
Operating torque	0.8 N·m
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp)	6000 V AC
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
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
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, 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, 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
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
Connection to SmartWire-DT	No
Connection type	Front fixing Screw connection
Actuating force - max	15 N
Force for positive opening - min	0 N
Number of contacts (change-over contacts)	0
Number of contacts (normally closed contacts)	2
Number of contacts (normally open contacts)	1
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 8.0

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	1
Number of contacts as normally closed contact	2
Number of fault-signal switches	0

Rated operation current Ie at AC-15, 230 V		A	6
Type of electric connection			Screw connection
Model			Top mounting
Mounting method			Front fastening
Lamp holder			None

© 04/2023 by Eaton Industries GmbH