


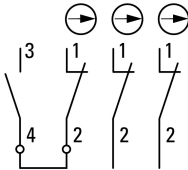
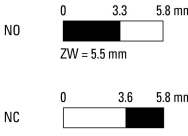






**Contact element FlatRear, 3 N/C, 1 N/A, front mount, screw connection, self-monitoring**

**Part no. M22-AFK03SMC10**  
**Catalog No. 180794**  
**Eaton Catalog No. M22-AFK03SMC10**

**Delivery program**

Product range		Accessories
Single unit/Complete unit		Element
Basic function accessories		Self-monitoring contact elements
Description		Combination of contact element and self-monitoring contact element M22-K01SMC10, M22-A mounting adapter, and M22-XSMC signaling contact actuator. The N/O in the self-monitoring contact element is actuated when mounted with M22-XSMC. Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden, Germany
Approval		
Connection technique		Cage Clamp
Fixing		Front fixing
<b>Contacts</b>		
N/C = Normally closed		3 NC 
Notes		 = safety function, by positive opening to IEC/EN 60947-5-1
<b>Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1</b>		
	mm	5.5
Maximum travel	mm	5.8
Minimum force for positive opening	N	60
Contact sequence		
Contact travel diagram, stroke in connection with front element		
Degree of Protection		IP20
Connection to SmartWire-DT		no

**Technical data**

<b>General</b>		
Standards		IEC 60947-5-1
Lifespan, mechanical	Operations x 10 <sup>6</sup>	> 1
Operating frequency	Operations/h	 3600
Actuating force	n	 13.5
Degree of Protection		IP20
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Dry heat to IEC 60068-2-2

Ambient temperature			
Open		°C	-25 - +70
Storage		°C	- 40 - + 85
Mechanical shock resistance to IEC 60068-2-27 Shock duration 11 ms, half-sinusoidal		g	> 50
Terminal capacities		mm <sup>2</sup>	
Solid		mm <sup>2</sup>	2 x 1 (0.2 - 1.5) 2 x 1 (075 - 1.5) Can be plugged without tools
Flexible with ferrule		mm <sup>2</sup>	2 x 1 (0.25 - 1) Use WAGO Variocrimp 4 crimping tool; please enquire for others
Solid or stranded		AWG	2 x 1 (24 - 16)

### Contacts

Rated impulse withstand voltage	U <sub>imp</sub>	V AC	4000
Rated insulation voltage	U <sub>i</sub>	V	250
Overvoltage category/pollution degree			III/3
Max. short-circuit protective device			
Fuseless		Type	FAZ-B4
Fuse	gG/gL	A	4

### Switching capacity

Rated operational current	I <sub>e</sub>	A	
AC-15			
24 V	I <sub>e</sub>	A	4
60 V	I <sub>e</sub>	A	4
230 V	I <sub>e</sub>	A	1.5
DC-13			
24 V	I <sub>e</sub>	A	1.5
60 V	I <sub>e</sub>	A	0.8
110 V	I <sub>e</sub>	A	0.4
220 V	I <sub>e</sub>	A	0.2

### Auxiliary contacts

Rated conditional short-circuit current	I <sub>q</sub>	kA	1
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## Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature max.		°C	-25
Operating ambient temperature max.		°C	70

## Technical data ETIM 6.0

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@ss8.1-27-37-13-02 [AKN342010])			
Number of contacts as change-over contact			0
Number of contacts as normally open contact			1
Number of contacts as normally closed contact			0
Rated operation current I <sub>e</sub> at AC-15, 230 V		A	1.5
Type of electric connection			Spring clamp connection
Model			Top mounting
Mounting method			Front fastening

## Additional product information (links)

DGUV Test Mark Customer Information	<a href="http://www.dguv.de/medien/dguv-test-medien/_pdf_zip_doc_ppt/agn-und-pzo/dguv_test_zeichen_infoblatt_kunden.pdf">http://www.dguv.de/medien/dguv-test-medien/_pdf_zip_doc_ppt/agn-und-pzo/dguv_test_zeichen_infoblatt_kunden.pdf</a>
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