

**Key-operated actuator, momentary, 2 positions 0, Bezel: titanium,  
Suitable for master key systems**

**Part no. M22-WS-SA(\*)-\***  
**216885**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Key-operated actuator
Part no.		M22-WS-SA(*)-*
Product Length/Depth		70 millimetre
Product height		30 millimetre
Product width		30 millimetre
Product weight		0.034 kilogram
Certifications		IEC/EN 60947-5 CE VDE 0660 UL CSA File No.: 012528 UL Category Control No.: NKCR CSA Class No.: 3211-03 CSA CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 IEC/EN 60947 UL 508 UL File No.: E29184
Product Tradename		M22
Product Type		Key-operated actuator
Product Sub Type		None
<b>Features &amp; Functions</b>		
Bezel color		Titanium
Bezel material		Plastic
Design		Key operated
Fitted with:		Front ring
<b>General information</b>		
Accessories		2 keys included with supplied equipment.
Degree of protection		NEMA 4X, 13
Degree of protection (front side)		IP66
Lifespan, mechanical		100,000 Operations
Opening diameter		22.5 mm
Operating frequency		100 Operations/h
Operating torque		0.5 N·m
Product category		RMQ-Titan
Size		Front diameter: 29.7 mm
Suitable for		Master key systems
Switching angle		40 °
Type		Key-operated button
<b>Ambient conditions, mechanical</b>		
Mounting position		As required
Shock resistance		30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
<b>Climatic environmental conditions</b>		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		70 °C
Climatic proofing		Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
<b>Communication</b>		
Connection to SmartWire-DT		Yes With SWD-RMQ connections

<b>Actuator</b>			
Actuator color			Black
Actuator function			Momentary Spring-return Key withdrawable in position 0
Actuator type			Key
Number of switch positions			2
<b>Contacts</b>			
Force for positive opening - min			0 N
<b>Design verification</b>			
Equipment heat dissipation, current-dependent Pvid			0 W
Heat dissipation capacity Pdiss			0 W
Heat dissipation per pole, current-dependent Pvid			0 W
Rated operational current for specified heat dissipation (In)			0 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			Please enquire
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			Not applicable.
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) / Front element for selector switch (EC000222)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ec@ss13-27-37-12-13 [AKF031019])			
Number of switch positions			2
Type of control element			Key
Suitable for illumination			No
Colour control element			Black
Colour indicator light cap			Other
Construction type lens			Round
Hole diameter		mm	22.5
Width opening		mm	0
Height opening		mm	0
Switching function latching			No
Spring-return			Yes
With front ring			Yes
Material front ring			Plastic

Colour front ring		Titanium
Degree of protection (IP), front side		IP66
Degree of protection (NEMA)		4X, 13