

**Key-operated actuator, momentary, 3 positions, Key withdrawable: 0,  
Bezel: black**

**Part no. M22S-WS3  
216895**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Key-operated actuator
Part no.		M22S-WS3
EAN		4015082168957
Product Length/Depth		70 millimetre
Product height		30 millimetre
Product width		30 millimetre
Product weight		0.034 kilogram
Compliances		CE Marked Bureau Veritas GoST-R
Certifications		CCC Marked CSA Certified Lloyd's Register Certified UL File No.: E29184 VDE 0660 CSA File No.: 012528 CSA-C22.2 No. 94-91 CE CSA UL CSA-C22.2 No. 14-05 CSA Class No.: 3211-03 IEC/EN 60947 UL 508 UL Category Control No.: NKCR IEC/EN 60947-5 GL DNV LR
Product Tradename		M22
Product Type		Key-operated actuator
Product Sub Type		None
Catalog Notes		Key withdraw convertible with coding adapters M22-XC-... Not suitable for master key systems
<b>Features &amp; Functions</b>		
Bezel color		Black
Bezel material		Plastic
Design		Key operated Classical
Fitted with:		Front ring Plunger bridge for the middle contact
Functions		Stay-put/spring-return function, can be changed with coding parts M22-XC-Y
Key code		MS1
<b>General information</b>		
Accessories		1 key 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
Switching angle		40 °
Type		Key-operated button
<b>Ambient conditions, mechanical</b>		

Mounting position		As required
Shock resistance		Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms
<b>Climatic environmental conditions</b>		
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
<b>Communication</b>		
Connection to SmartWire-DT		With SWD-RMQ connections Yes
<b>Actuator</b>		
Actuator color		Black
Actuator function		Momentary, return from left/right, key removable center Spring-return Key withdrawable in position 0 Momentary
Actuator type		Key
Number of switch positions		3
<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 Pdis		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 (ecl@ss13-27-37-12-13 [AKF031019])		
Number of switch positions		3
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		Black
Degree of protection (IP), front side		IP66
Degree of protection (NEMA)		4X, 13