



Key-operated actuator, maintained, 3 positions, Key withdrawable: I, 0, II,  
Bezel: titanium

Part no. M22-WRS3  
216900  
EL Number 4355326  
(Norway)

General specifications		
Product name		Eaton Moeller® series M22 Key-operated actuator
Part no.		M22-WRS3
EAN		4015082169008
Product Length/Depth		70 millimetre
Product height		30 millimetre
Product width		30 millimetre
Product weight		0.031 kilogram
Compliances		CE Marked
Certifications		GL LR DNV VDE 0660 CSA-C22.2 No. 14-05 CSA Class No.: 3211-03 IEC/EN 60947 CSA File No.: 012528 UL Category Control No.: NKCR UL CSA-C22.2 No. 94-91 UL File No.: E29184 CSA IEC/EN 60947-5 CE VDE IEC 60947-5 UL 508 EN 60947-5 CSA Std. C22.2 No. 94-91 CSA Std. C22.2 No. 14-05
Product Tradename		M22
Product Type		Key-operated actuator
Product Sub Type		None
Features & Functions		
Bezel color		Titanium
Bezel material		Plastic
Color		Black
Design		Classical Key operated
Fitted with:		Plunger bridge for the middle contact Front ring
Functions		Stay-put/spring-return function, can be changed with coding parts M22-XC-Y
General information		
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
Overvoltage category		III
Pollution degree		3
Product category		RMQ-Titan
Size		Front diameter: 29.7 mm
Switching angle		60 °
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			With SWD-RMQ connections Yes
<b>Actuator</b>			
Actuator color			Black
Actuator function			Key withdrawable in position 1 Switching function latching Key withdrawable in position 0 Key withdrawable in position 2 Maintained
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 P <sub>vid</sub>			0 W
Heat dissipation capacity P <sub>diss</sub>			0 W
Heat dissipation per pole, current-dependent P <sub>vid</sub>			0 W
Rated operational current for specified heat dissipation (I <sub>n</sub> )			0 A
Static heat dissipation, non-current-dependent P <sub>vs</sub>			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			Yes
Spring-return			No
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