

**Key-operated actuator, momentary, 2 positions, Key withdrawable: 0,
Bezel: titanium**

Part no. **M22-WS**
216881
EL Number **4355324**
(Norway)

Product name	Eaton Moeller® series M22 Key-operated actuator
Part no.	M22-WS
EAN	4015082168810
Product Length/Depth	70 millimetre
Product height	30 millimetre
Product width	30 millimetre
Product weight	0.034 kilogram
Compliances	CE Marked
Certifications	EN 60947-5 IEC 60947-5 UL 508 CSA Std. C22.2 No. 94-91 VDE CSA Std. C22.2 No. 14-05 UL Category Control No.: NKCR CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 UL CSA File No.: 012528 CSA IEC/EN 60947 VDE 0660 CE CSA-C22.2 No. 94-91 IEC/EN 60947-5 UL File No.: E29184 DNV GL 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
Bezel color	Titanium
Bezel material	Plastic
Design	Key operated Classical
Fitted with:	Front ring
Functions	Stay-put/spring-return function, can be changed with coding parts M22-XC-Y
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
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
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
Connection to SmartWire-DT			Yes With SWD-RMQ connections
Actuator color			Black
Actuator function			Spring-return Key withdrawable in position 0 Momentary
Actuator type			Key
Number of switch positions			2
Force for positive opening - min			0 N
Equipment heat dissipation, current-dependent P _{vid}			0 W
Heat dissipation capacity P _{diss}			0 W
Heat dissipation per pole, current-dependent P _{vid}			0 W
Rated operational current for specified heat dissipation (I _n)			0 A
Static heat dissipation, non-current-dependent P _{vs}			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 8.0

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 (ecI@ss10.0.1-27-37-12-13 [AKF031014])			
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