

**Changeover switch, RMQ-Titan, With rotary head, momentary, 2 positions, inscribed, Bezel: titanium**



**Part no.** M22-W  
**216853**  
**EL Number** 4355490  
**(Norway)**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Changeover switch
Part no.		M22-W
EAN		4015082168537
Product Length/Depth		43 millimetre
Product height		30 millimetre
Product width		30 millimetre
Product weight		0.013 kilogram
Compliances		CE Marked
Certifications		CSA Std. C22.2 No. 14-05 IEC 60947-5 CSA Std. C22.2 No. 94-91 UL 508 EN 60947-5 VDE CSA-C22.2 No. 94-91 VDE 0660 CSA Class No.: 3211-03 IEC/EN 60947 CSA-C22.2 No. 14-05 UL File No.: E29184 UL Category Control No.: NKCR CSA CE IEC/EN 60947-5 CSA File No.: 012528 UL
Product Tradename		M22
Product Type		Changeover switch
Product Sub Type		None
<b>Features &amp; Functions</b>		
Bezel color		Titanium
Bezel material		Plastic
Color		Black
Design		With rotary head
Fitted with:		Front ring
Functions		Stay-put/spring-return function, can be changed with coding parts M22-XC-Y
Inscription		Inscribed
<b>General information</b>		
Accessories		Rotary head
Degree of protection		NEMA 4X, 13
Degree of protection (front side)		IP66
Lifespan, mechanical		100,000 Operations
Opening diameter		22.5 mm
Operating frequency		2000 Operations/h
Operating torque		0.3 N·m
Product category		RMQ-Titan
Size		Front diameter: 29.7 mm
Switching angle		40 °
Type		Selector switch actuator
<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
Ambient storage temperature - min		-40 °C
Ambient storage temperature - max		80 °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		Momentary Spring-return
Actuator type		Turn button
Number of switch positions		2
<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		2
Type of control element		Turn button
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