

Pushbutton, RMQ-Titan, momentary, Without button plate, Bezel: titanium



Powering Business Worldwide™

**Part no.** M22-D-X  
**216602**

**EL Number**  
**(Norway)** 4355307

General specifications		
Product name		Eaton Moeller® series M22 Pushbutton
Part no.		M22-D-X
EAN		4015082166021
Product Length/Depth		30 millimetre
Product height		30 millimetre
Product width		30 millimetre
Product weight		0.009 kilogram
Compliances		CE Marked
Certifications		CSA Std. C22.2 No. 94-91 UL 508 IEC 60947-5 EN 60947-5 CSA Std. C22.2 No. 14-05 VDE CSA-C22.2 No. 14-05 UL Category Control No.: NKCR IEC/EN 60947-5 CSA-C22.2 No. 94-91 CSA Class No.: 3211-03 VDE 0660 IEC/EN 60947 CSA UL CSA File No.: 012528 CE UL File No.: E29184 GL DNV LR
Product Tradename		M22
Product Type		Pushbutton
Product Sub Type		None
Features & Functions		
Bezel color		Titanium
Bezel material		Plastic
Design		Classical
Fitted with:		Front ring
General information		
Degree of protection		NEMA 12 IP66 NEMA 3R NEMA 4X IP67 IP69K NEMA 13
Degree of protection (front side)		IP67/IP69K NEMA 4X
Lifespan, mechanical		5,000,000 Operations
Opening diameter		22.5 mm
Operating frequency		3600 Operations/h
Product category		RMQ-Titan
Size		Front dimensions: 22 x 22 mm
Type		Pushbutton actuator
Ambient conditions, mechanical		
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
Climatic environmental conditions		

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, 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>		
Actuating force		5 N
Actuator color		Without button plate
Actuator function		Spring-return Momentary
<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 8.0

Low-voltage industrial components (EG000017) / Front element for push button (EC000221)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss10.0.1-27-37-12-10 [AKF028014])		
Colour button		Without button plate
Number of command positions		1
Construction type lens		Round
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0

Type of button			Flat
Suitable for illumination			No
With protective cover			No
Labelled			No
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			IP67/IP69K
Degree of protection (NEMA), front side			4X