



**Mushroom actuator, RMQ-Titan, Mushroom, momentary, Mushroom red, red, inscribed, Bezel: titanium**

**Part no. M22-DP-R-X0**

**216720**

**EL Number  
(Norway)**

**4355313**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Mushroom actuator
Part no.		M22-DP-R-X0
EAN		4015082167202
Product Length/Depth		37 millimetre
Product height		43 millimetre
Product width		37 millimetre
Product weight		0.016 kilogram
Certifications		IEC/EN 60947 CSA-C22.2 No. 14-05 UL CSA-C22.2 No. 94-91 CSA File No.: 012528 IEC/EN 60947-5 GL UL File No.: E29184 VDE 0660 UL 508 DNV UL Category Control No.: NKCR CE CSA CSA Class No.: 3211-03 LR
Product Tradename		M22
Product Type		Mushroom actuator
Product Sub Type		None
<b>Features &amp; Functions</b>		
Bezel color		Titanium
Bezel material		Plastic
Design		Classical Mushroom-shaped
Fitted with:		Front ring
Inscription		Inscribed
Unlocking method		None
<b>General information</b>		
Degree of protection		NEMA 4X, 13 IP67/IP69K
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		Mushroom-headed pushbutton
<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
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		Yes With SWD-RMQ connections
<b>Actuator</b>		
Actuating force		5 N
Actuator color		Red
Actuator function		Momentary Spring-return
<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 mushroom push-button (EC001038)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecI@ss13-27-37-12-12 [AKF030019])		
Colour button		Red
Construction type lens		Round
Diameter cap	mm	36.5
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0
Degree of protection (IP)		IP67/IP69K
Degree of protection (NEMA)		4X, 13
Type of button		Flat
Suitable for illumination		No
With lighting		No

Supply voltage lamp	V	0
Switching function latching		No
Spring-return		Yes
With front ring		Yes
Material front ring		Plastic
Colour front ring		Chrome
Suitable for emergency stop		No
Unlocking method		None