

**Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom red, red, Blank, Bezel: black**



**Part no. M22S-DRP-R  
216746**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Mushroom actuator
Part no.		M22S-DRP-R
EAN		4015082167462
Product Length/Depth		37 millimetre
Product height		43 millimetre
Product width		37 millimetre
Product weight		0.016 kilogram
Compliances		CE Marked
Certifications		CSA Std. C22.2 No. 14-05 VDE CSA Std. C22.2 No. 94-91 IEC 60947-5 EN 60947-5 UL 508 UL CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 VDE 0660 UL File No.: E29184 UL Category Control No.: NKCR IEC/EN 60947 CSA File No.: 012528 IEC/EN 60947-5 CSA CE CSA-C22.2 No. 94-91 LR GL DNV
Product Tradename		M22
Product Type		Mushroom actuator
Product Sub Type		None
<b>Features &amp; Functions</b>		
Bezel color		Black
Bezel material		Plastic
Design		Mushroom-shaped Classical
Fitted with:		Front ring
Inscription		Blank
Unlocking method		None
<b>General information</b>		
Degree of protection		IP67/IP69K NEMA 4X, 13
Lifespan, mechanical		1,000,000 Operations (AC operated)
Opening diameter		22.5 mm
Operating frequency		1800 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		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, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
<b>Communication</b>		
Connection to SmartWire-DT		Yes With SWD-RMQ connections
<b>Actuator</b>		
Actuating force		5 N
Actuator color		Red
Actuator function		Switching function latching Maintained
<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 (ec@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			Yes
Spring-return			No
With front ring			Yes
Material front ring			Plastic
Colour front ring			Black
Suitable for emergency stop			No
Unlocking method			None