

**Mushroom actuator, RMQ-Titan, Mushroom, momentary, Mushroom black, black, Blank, Bezel: black**



**Part no. M22S-DP-S  
216713**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Mushroom actuator
Part no.		M22S-DP-S
EAN		4015082167134
Product Length/Depth		37 millimetre
Product height		43 millimetre
Product width		37 millimetre
Product weight		0.016 kilogram
Compliances		Contact Manufacturer
Certifications		UL Category Control No.: NKCR CSA-C22.2 No. 94-91 IEC/EN 60947-5 UL 508 UL File No.: E29184 CSA CE VDE 0660 CSA File No.: 012528 CSA Class No.: 3211-03 UL CSA-C22.2 No. 14-05 IEC/EN 60947 LR DNV GL
Product Tradename		M22
Product Type		Mushroom actuator
Product Sub Type		None
<b>Features &amp; Functions</b>		
Bezel color		Black
Bezel material		Plastic
Color		Black
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		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, 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			Black
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 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 (ecl@ss13-27-37-12-12 [AKF030019])			
Colour button			Black
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		Black
Suitable for emergency stop		No
Unlocking method		None