

Illuminated pushbutton actuator, RMQ-Titan, Flush, momentary, green,  
inscribed, Bezel: black

Part no. **M22S-DL-G-X1**  
**216939**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Illuminated pushbutton actuator
Part no.		M22S-DL-G-X1
EAN		4015082169398
Product Length/Depth		30 millimetre
Product height		30 millimetre
Product width		30 millimetre
Product weight		0.01 kilogram
Certifications		CSA Class No.: 3211-03 CSA VDE 0660 CSA File No.: 012528 UL File No.: E29184 UL Category Control No.: NKCR UL IEC/EN 60947 IEC/EN 60947-5 CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 CE UL 508 DNV LR GL
Product Tradename		M22
Product Type		Illuminated pushbutton actuator
Product Sub Type		None
<b>Features &amp; Functions</b>		
Bezel color		Black
Bezel material		Plastic
Design		Flush Classical
Features		Labelled
Fitted with:		Front ring
Inscription		Inscribed
<b>General information</b>		
Degree of protection		IP67 IP69K NEMA 12 IP66 NEMA 3R NEMA 13 NEMA 4X
Degree of protection (front side)		NEMA 4X IP67/IP69K
Lifespan, mechanical		5,000,000 Operations
Opening diameter		22.5 mm
Operating frequency		3600 Operations/h
Product category		RMQ-Titan
Size		Front diameter: 29.7 mm
Suitable for		Illumination
Type		Illuminated pushbutton actuator
<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
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			Green
Actuator function			Spring-return Momentary
<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 push button (EC000221)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss13-27-37-12-10 [AKF028019])			
Colour button			Green
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			Yes

With protective cover		No
Labelled		Yes
Switching function latching		No
Spring-return		Yes
With front ring		Yes
Material front ring		Plastic
Colour front ring		Black
Degree of protection (IP), front side		IP67/IP69K
Degree of protection (NEMA), front side		4X