DATASHEET - M22-DP-G-X1

Mushroom actuator, RMQ-Titan, Mushroom, momentary, Mushroom green, green, inscribed, Bezel: titanium

Powering Business Worldwide™

Part no.	**M22-DP-G-X1**
	216722
EL Number (Norway)	**4355677**

General specifications

Product name	Eaton Moeller® series M22 Mushroom actuator
Part no.	M22-DP-G-X1
EAN	4015082167226
Product Length/Depth	37 millimetre
Product height	43 millimetre
Product width	37 millimetre
Product weight	0.016 kilogram
Certifications	CSA File No.: 012528 UL File No.: E29184 UL IEC/EN 60947-5 VDE 0660 UL Category Control No.: NKCR CSA-C22.2 No. 14-05 CSA CSA-C22.2 No. 94-91 IEC/EN 60947 UL 508 CSA Class No.: 3211-03 CE GL DNV LR
Product Tradename	M22
Product Type	Mushroom actuator
Product Sub Type	None

Features & Functions

Bezel color	Titanium
Bezel material	Plastic
Design	Mushroom-shaped Classical
Fitted with:	Front ring
Inscription	Inscribed
Unlocking method	None

General information

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

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
Communication		
Connection to SmartWire-DT		With SWD-RMQ connections Yes
Actuator		
Actuating force		5 N
Actuator color		Green
Actuator function		Momentary Spring-return
Contacts		
Force for positive opening - min		0 N
Design verification		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdiss		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		Green
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