



Mushroom actuator, green, maintained

Part no. M22-DRP-G
Catalog No. 216747
Eaton Catalog No. M22-DRP-GQ
EL-Nummer 0004355686
(Norway)



Delivery program

Product range		RMQ-Titan
Basic function		Mushroom-headed pushbutton
Single unit/Complete unit		Single unit
Design		Mushroom
		maintained
Colour		
Mushroom		green
Mushroom colour		
Button plate		
button plate		green
Button plate		
		Blank
Degree of Protection		IP66, IP67, IP69K
Front ring		Bezel: titanium
Connection to SmartWire-DT		yes with SWD-RMQ connections
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1		
Minimum force for positive opening	N	0
Front dimensions		22 x 22
Function		maintained
Instructions		Stay-put/spring-return function can be changed on device

Technical data

General			
Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations $\times 10^6$	> 1	
Operating frequency	Operations/h	≤ 1800	
Actuating force	n	≤ 5	
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30	
Degree of Protection		IP66, IP67, IP69K	
Ambient temperature			
Open	$^{\circ}\text{C}$	-25 - +70	
Storage	$^{\circ}\text{C}$	-40 - +80	
Mounting position		As required	
Mechanical shock resistance	g	30 Shock duration 11 ms	

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	0
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties			
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 7.0

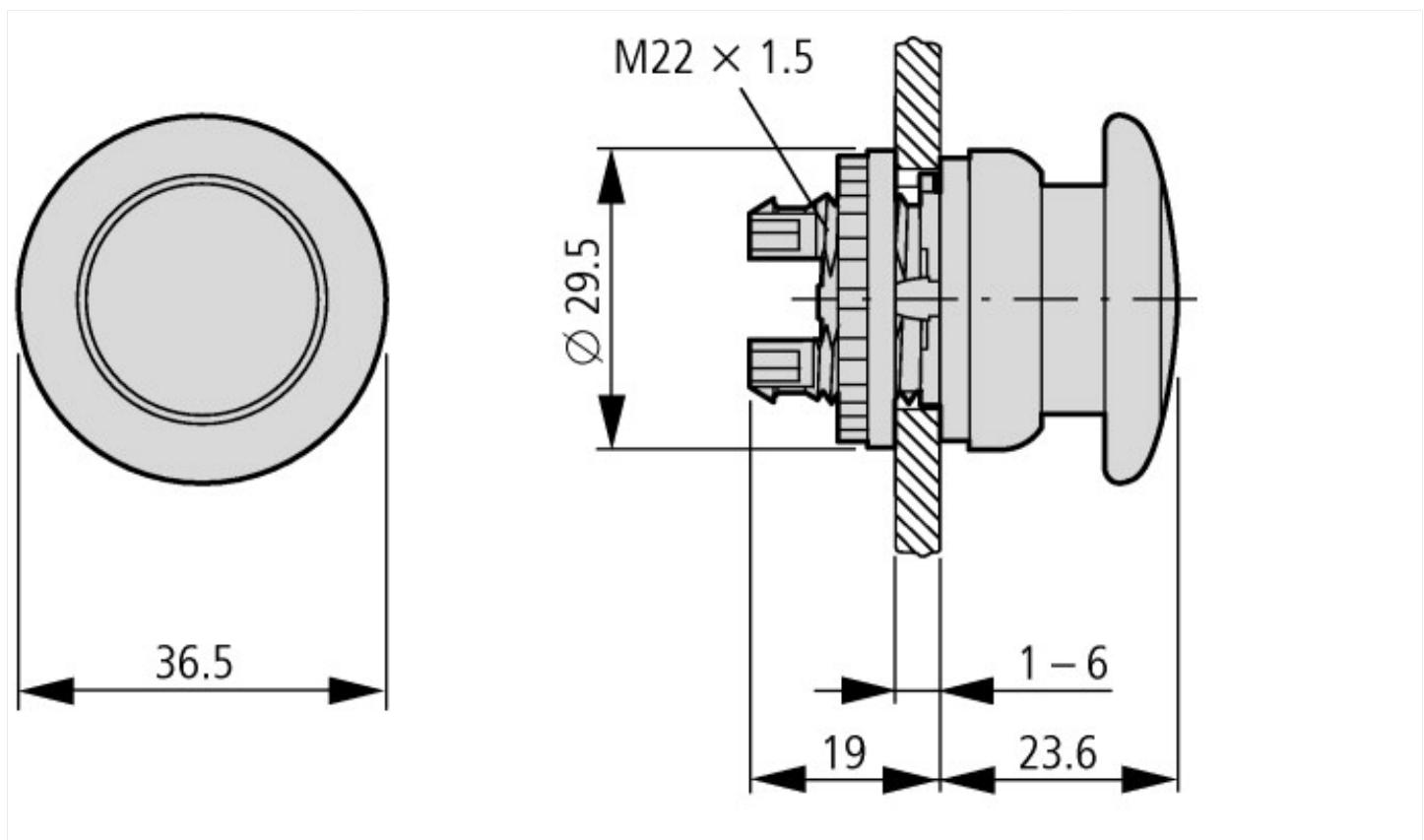
Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss10.0.1-27-37-12-12 [AKF030014])		
Colour button		Green
Construction type lens		Round
Diameter cap	mm	36.5
Hole diameter	mm	22
Width opening	mm	0
Height opening	mm	0
Degree of protection (IP)		IP67/IP69K
Degree of protection (NEMA)		4X
Type of button		Flat
Suitable for illumination		No
Switching function latching		Yes
Spring-return		Yes

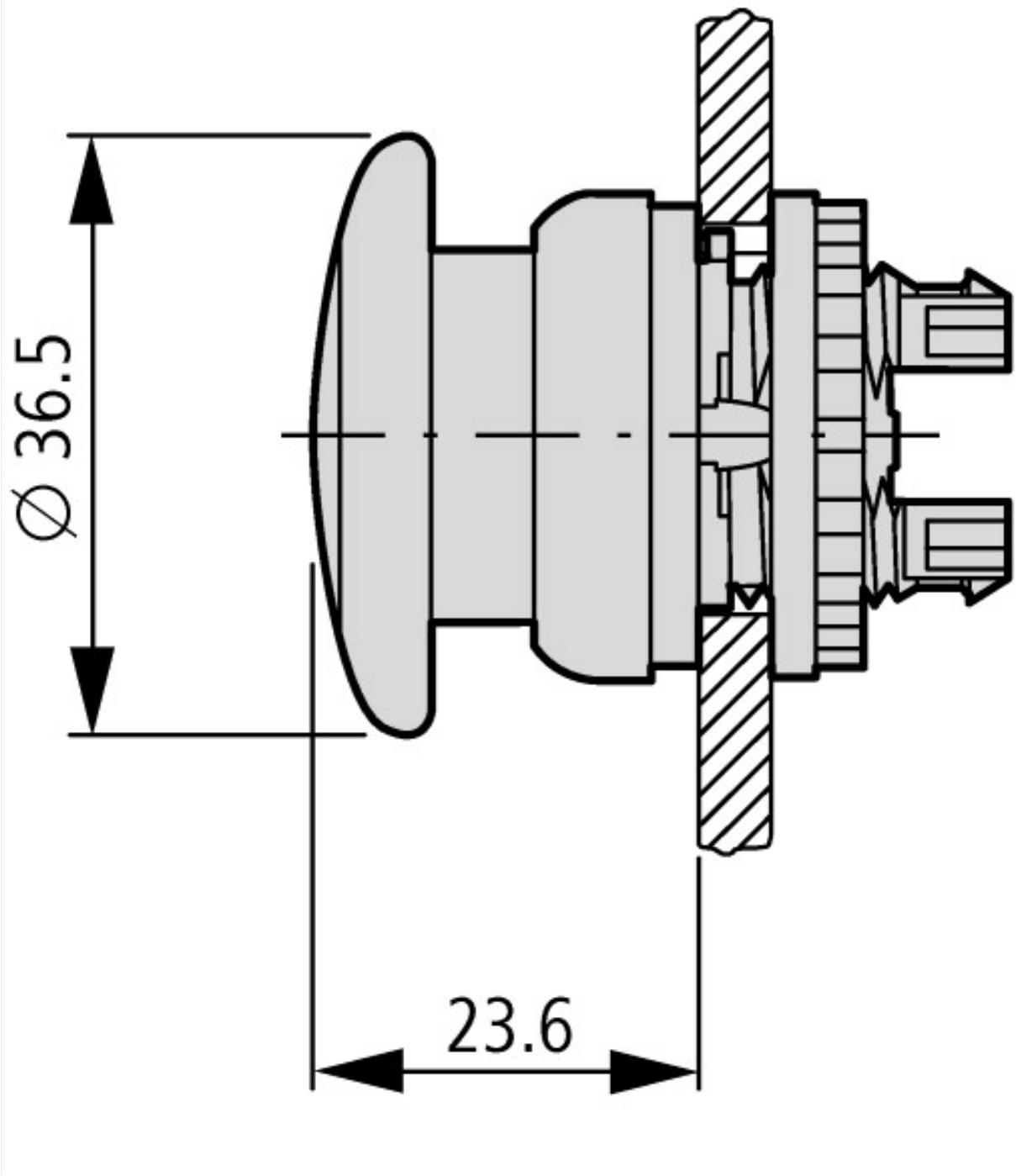
With front ring	Yes
Material front ring	Plastic
Colour front ring	Chrome
Suitable for emergency stop	No
Unlocking method	None

Approvals

Product Standards	IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking
UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	012528
CSA Class No.	3211-03
North America Certification	UL listed, CSA certified
Degree of Protection	UL/CSA Type 3R, 4X, 12, 13

Dimensions





Additional product information (links)

IL04716002Z (AWA1160-1745) RMQ-Titan System

IL04716002Z (AWA1160-1745) RMQ-Titan System

http://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2018_10.pdf