DATASHEET - M22-DR-G-X1

Pushbutton, RMQ-Titan, Flat, maintained, green, inscribed, Bezel: titanium

Part no.	**M22-DR-G-X1**
Catalog No.	**216630**
Alternate Catalog No.	**M22-DR-G-X1Q**
EL-Nummer (Norway)	**4355612**

Delivery program

Product range			RMQ-Titan
Basic function			Pushbutton actuators
Mounting hole diameter	⌀	mm	22.5
Single unit/Complete unit			Single unit
Design			Flat
			maintained

Button plate

button plate			green
Button plate			
			inscribed
Degree of Protection			IP66, IP67, IP69
Front ring			Bezel: titanium
Connection to SmartWire-DT			yes with SWD-RMQ connections
Instructions			Stay-put/spring-return function can be changed on device

Technical data
General

Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 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, IP69
Ambient temperature			
Open		°C	-25 - +70
Storage		°C	- 40 - + 80
Mounting position			As required
Mechanical shock resistance		g	30 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27
shipping classification			DNV GL LR

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 push button (EC000221)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss10.0.1-27-37-12-10 [AKF028014])		
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

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Type of button		Flat
Suitable for illumination		No
With protective cover		No
Labelled		Yes
Switching function latching		Yes
Spring-return		Yes
With front ring		Yes
Material front ring		Plastic
Colour front ring		Chrome
Degree of protection (IP), front side		IP67/IP69K
Degree of protection (NEMA), front side		4X

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

10
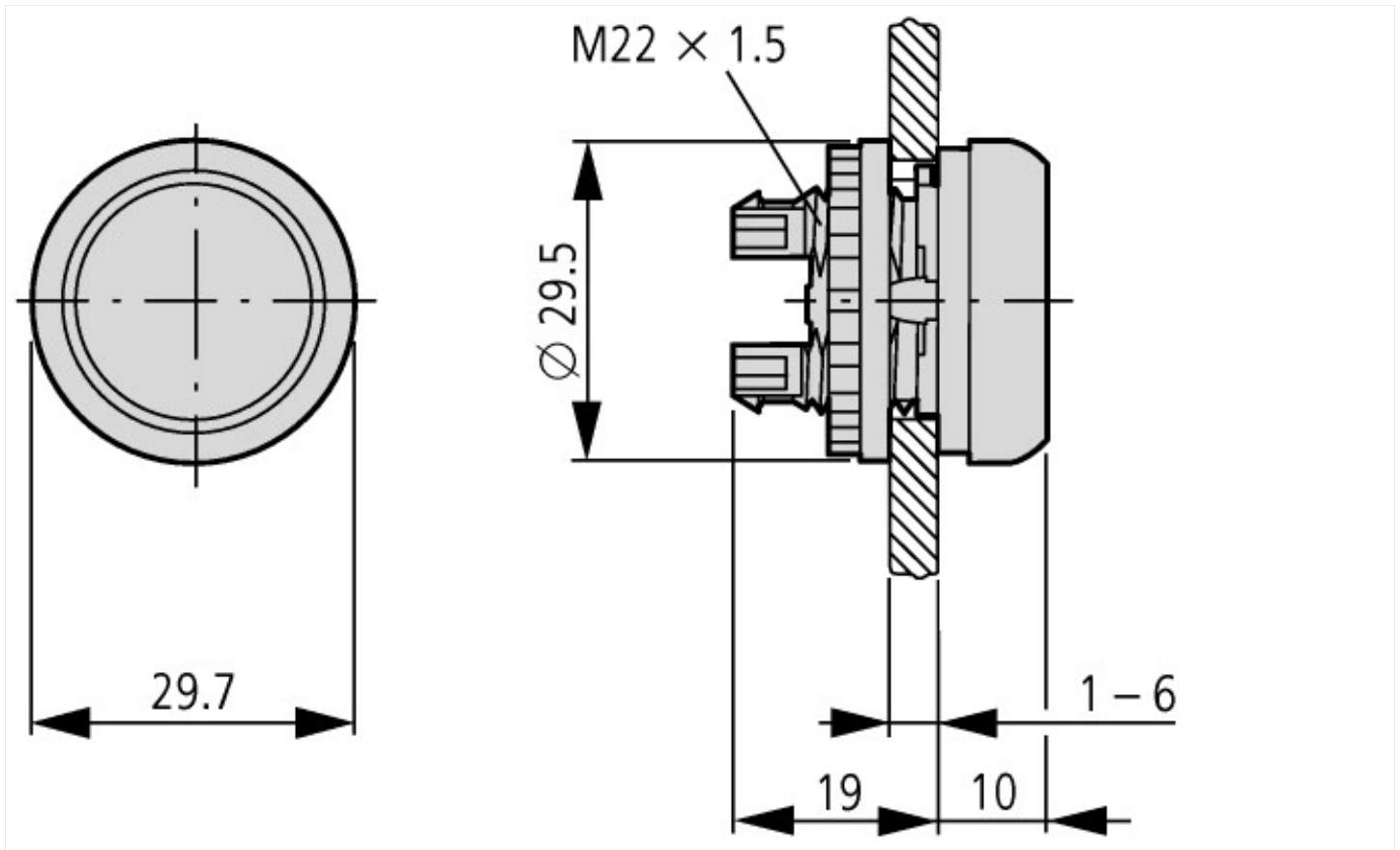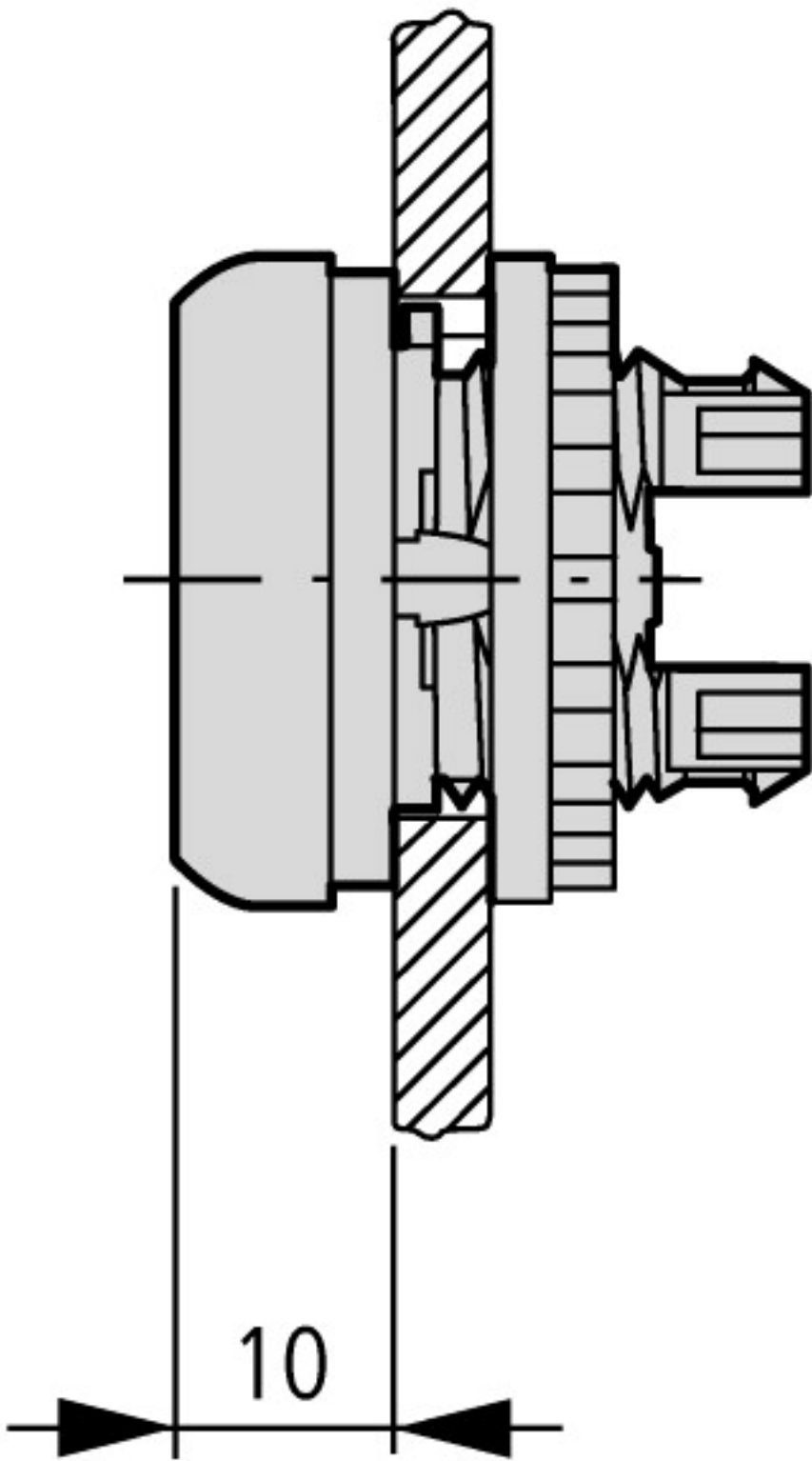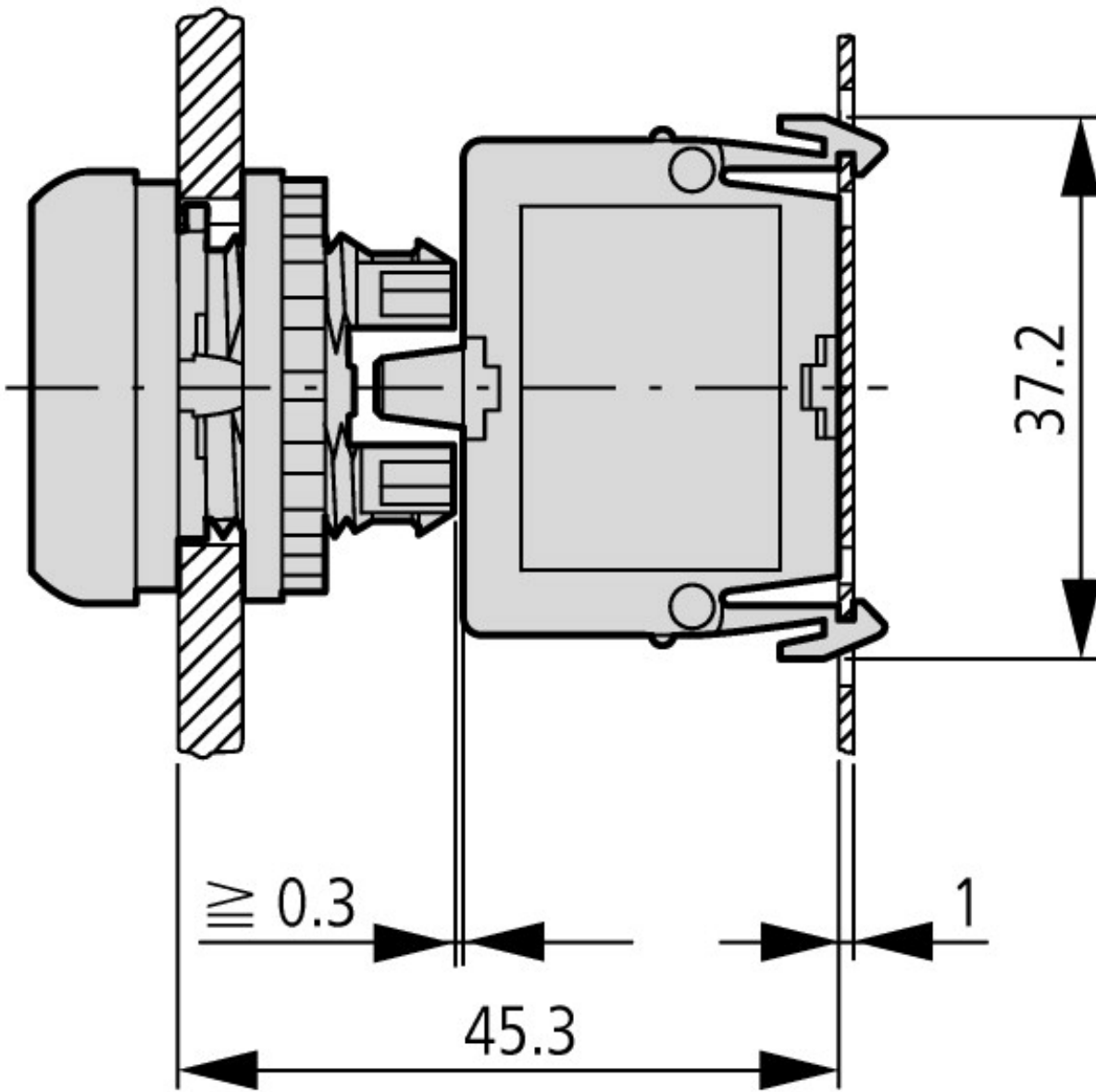
Actuating and indicator elements
Base fixing