### **DATASHEET - M22-DR-X**



Pushbutton, RMQ-Titan, Flat, maintained, Without button plate, Bezel: titanium





Part no. M22-DR-X Catalog No. 216625 Alternate Catalog M22-DR-XQ

No.

**EL-Nummer** 4355636

(Norway)

### **Delivery program**

Product range			RMQ-Titan
Basic function			Pushbutton actuators
Mounting hole diameter	Ø	mm	22.5
Single unit/Complete unit			Single unit
Design			Flat
			maintained
Button plate			
button plate			Without button plate
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

General			
Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	>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			1P66, 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
			Lloyd's Register

# **Design verification as per IEC/EN 61439**

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0
Heat dissipation per pole, current-dependent	$P_{\text{vid}}$	W	0

10.2 Strength of materials and parts 10.22 Corrosion resistance 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 10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.5 Mechanical impact 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3.0 Degree of protection of ASSEMBLIES 10.3.0 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Incorporation of switching devices and components 10.9 Insulation properties 10.9 Power-frequency electric strength 10.9 Insulation properties 10.9.1 Insulation properties 10.9.2 Power-frequency electric strength 10.9 Insulation go enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.11 Short-circuit rating 10.11 Short-circuit rating 10.11 Short-circuit rating 10.12 Insulation propertics 10.13 Insulation properties 10.14 Is the panel builder's responsibility. 10.15 Insulation properties 10.16 Incorporation of excess made of insulating material 10.17 Internal electrical circuits and connections 10.18 Insulation properties 10.29 Power-frequency electric strength 10.30 Insulation properties 10.31 Insulation properties 10.32 Insulation properties 10.33 Insulation properties 10.34 Testing of enclosures made of insulating material 10.35 Testing and possibility. 10.45 Testing of enclosures made of insulating material 10.55 Testing and possibility. 10.65 Testing and possibility. 10.75 Testing and possibi	Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
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	10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:constraint}$
	10.13 Mechanical function			1 11

## **Technical data ETIM 7.0**

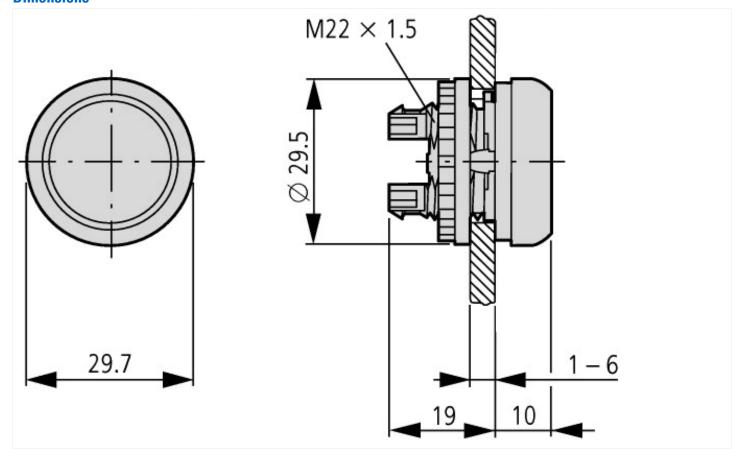
Low-voltage industrial components (EG000017) / Front element for push button (EC000221)

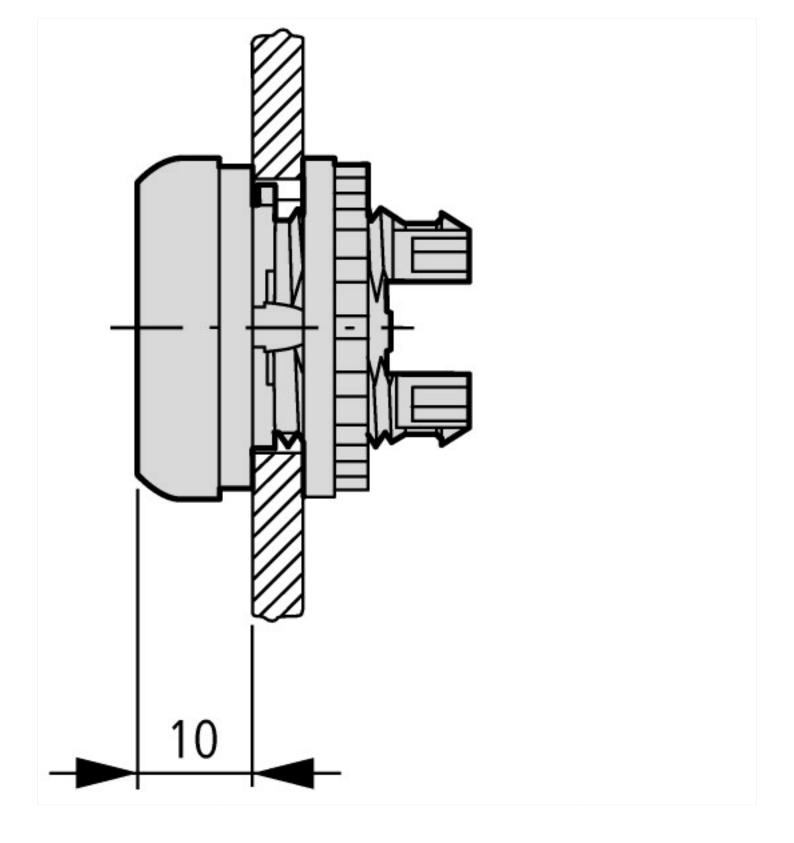
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss10.0.1-27-37-12-10 [AKF028014])

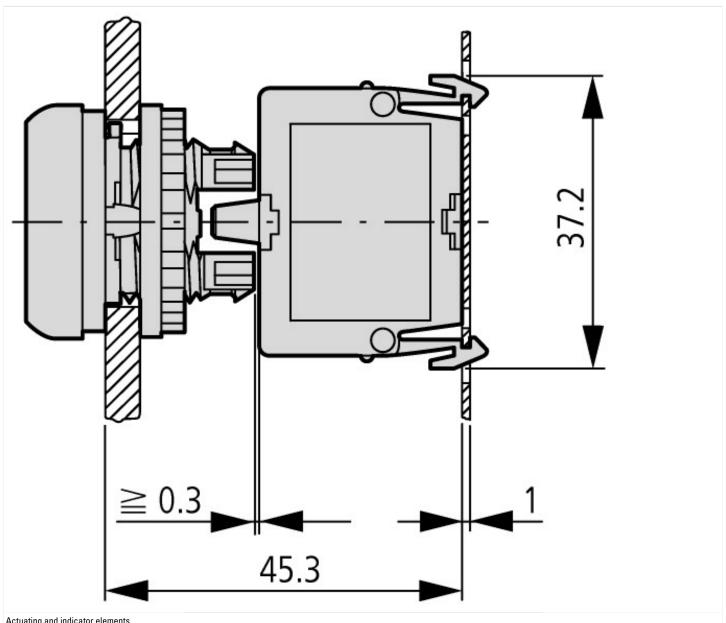
(CCI @ 33 TO.O. 1 27 O7 12 TO [AIX 020017])		
Colour button		Without button plate
Number of command positions		1
Construction type lens		Round
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0
Type of button		Flat
Suitable for illumination		No
With protective cover		No
Labelled		No
Switching 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**







Actuating and indicator elements Base fixing