



**Double actuator pushbutton, 1N/O+1N/C, + LED 85-264VAC, screw connection**

**Part no.** M22-DDL-GR-X1/X0/K11/230-W  
**Catalog No.** 216509  
**Alternate Catalog No.** M22-DDLGR-X1X0K11QWQ  
**EL-Nummer (Norway)** 4355282

### Delivery program

Product range		RMQ-Titan
Basic function		Double actuators
Single unit/Complete unit		Complete unit
Design		Actuators and indicator lights non-flush
		momentary
Connection type		Screw connection
Description		White lens LED element 85 - 264 V AC

### Button plate

button plate		green, red
Button plate		  

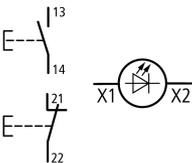
		inscribed
Degree of Protection		IP66
Front ring		Bezel: titanium
Connection to SmartWire-DT		no

### Contacts

N/C = Normally closed		1 NC 
N/O = Normally open		1 N/O
Notes		 = safety function, by positive opening to IEC/EN 60947-5-1

### Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1

	mm	4.8
Maximum travel	mm	5.7
Minimum force for positive opening	N	15

Contact sequence		
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Front dimensions		29,7 x 54,7
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### Technical data

#### General

Standards		IEC/EN 60947
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			VDE 0660
Lifespan, mechanical	Operations	$\times 10^6$	> 1
Operating frequency	Operations/h		$\leq 1800$
Actuating force	n		$\leq 5$
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Degree of Protection			IP66
Ambient temperature			
Open	°C		-25 - +70
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
			  

## Contacts

Rated conditional short-circuit current	$I_q$	kA	1
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## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	$I_n$	A	6
Heat dissipation per pole, current-dependent	$P_{vid}$	W	0.11
Equipment heat dissipation, current-dependent	$P_{vid}$	W	0
Static heat dissipation, non-current-dependent	$P_{vs}$	W	1
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		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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.

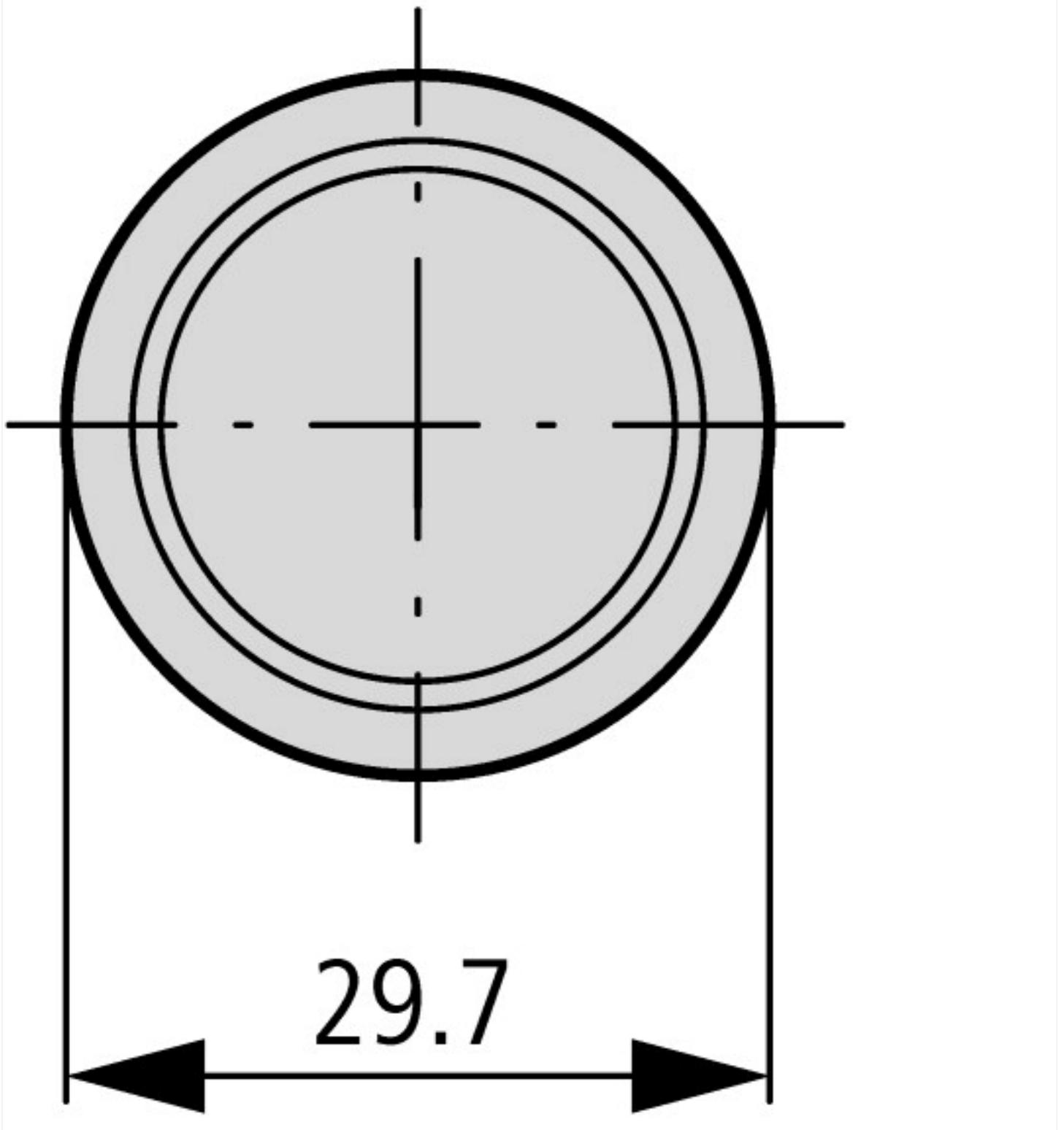
## Technical data ETIM 7.0

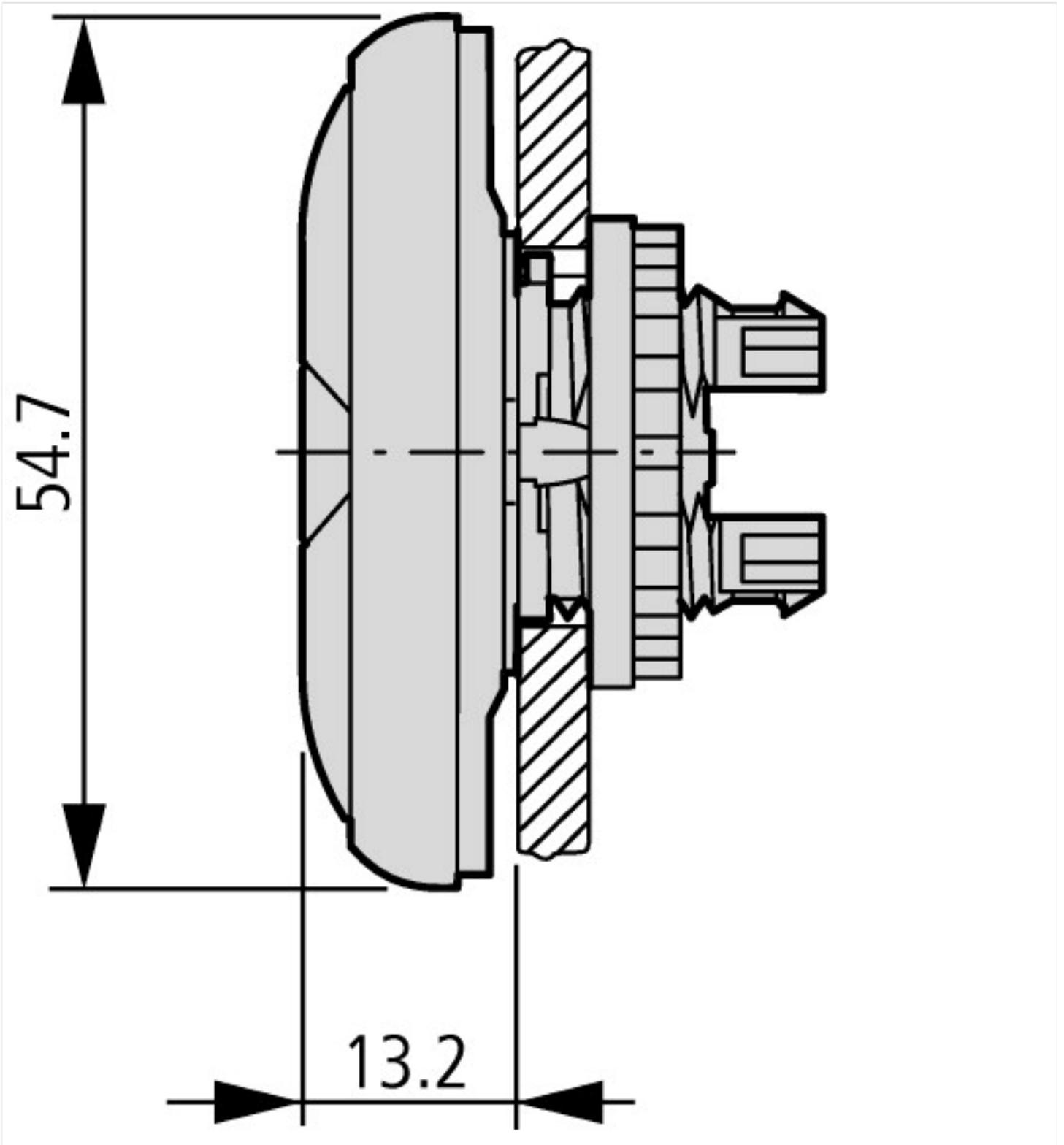
Low-voltage industrial components (EG000017) / Push button, complete (EC001028)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Push-button actuator, complete unit (ecl@ss10.0.1-27-37-12-28 [AKF046014])		
Number of command positions		2
Type of button		Flat
Colour button		Red/green
Construction type lens		Round
Hole diameter	mm	22
Width opening	mm	0
Height opening	mm	0
Suitable for illumination		Yes
Switching function latching		No
Spring-return		Yes
Supply voltage lamp	V	230
Number of contacts as normally open contact		1
Number of contacts as normally closed contact		1
Number of contacts as change-over contact		0
Type of electric connection		Screw connection
With front ring		Yes
Material front ring		Plastic
Colour front ring		Chrome
Degree of protection (IP)		IP66
Degree of protection (NEMA)		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





### Assets (links)

[Declaration of CE Conformity](#)

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