



## Emergency-stop pushbutton, D=60mm, key unlocking, RONIS

Part no.	M22-PVS60P-RS		
Catalog No.	121467		
Alternate Catalog No.	M22-PVS60P-RSQ		
EL-Nummer (Norway)	4315248		

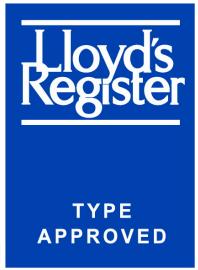
## Delivery program

Product range	RMQ-Titan		
Basic function	Controlled stop pushbuttons/emergency-stop buttons		
Single unit/Complete unit	Single unit		
Design	Palm-tree shape		
Diameter	∅	mm	60
Illumination	Non-illuminated		
Approval	 		
Description	Key-release Tamper-proof according to ISO 13850/EN 418 Not suitable for master key systems		
Colour	Mushroom head: Red Base: yellow (RAL 3000)		
Degree of Protection	IP66, IP67, IP69		
Connection to SmartWire-DT	no		
<b>Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1</b>			
Minimum force for positive opening	N	0	
Instructions	Max. number of contacts: four M22-(C)K01, ...10 or two M22-(C)K02, ...20, ...11		
Information about equipment supplied	1 key included as standard		

## Technical data

## General

Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	$\times 10^6$	> 0.1
Operating frequency	Operations/h		≤ 600
Actuating force	n		≤ 50
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		°C	-25 - +70
Open			

Mounting position		As required
Mechanical shock resistance	g	50 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 <sub>n</sub>	A	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Heat dissipation capacity	P <sub>diss</sub>	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 (ec1@ss10.0.1-27-37-12-12 [AKF030014])

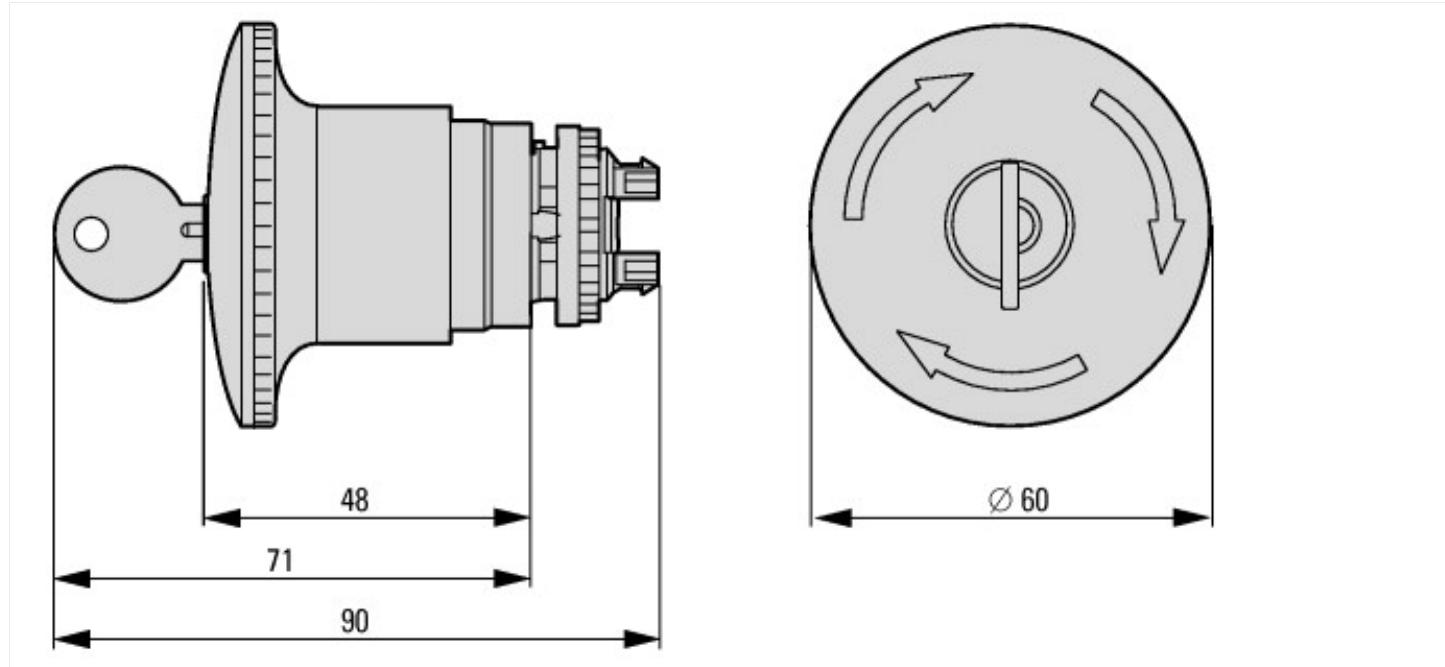
Colour button	Red
Construction type lens	Round
Diameter cap	mm 60
Hole diameter	mm 22.5
Width opening	mm 0
Height opening	mm 0
Degree of protection (IP)	IP67/IP69K
Degree of protection (NEMA)	4X
Type of button	Flat
Suitable for illumination	No
Switching function latching	Yes
Spring-return	No
With front ring	No
Material front ring	Other
Colour front ring	Other
Suitable for emergency stop	Yes
Unlocking method	Key-release

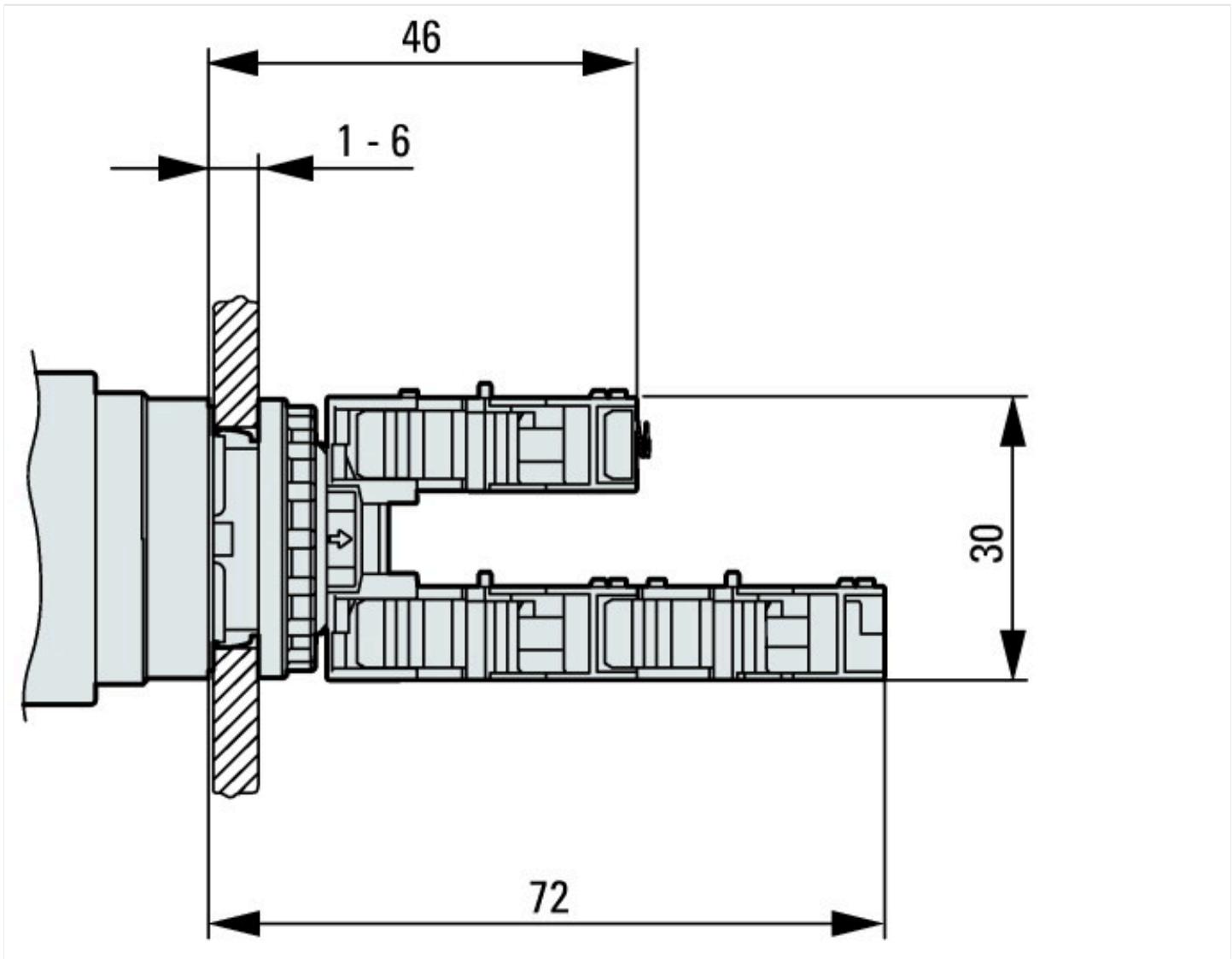
## Approvals

North America Certification

Request filed for UL and CSA

## Dimensions





## Assets (links)

[Declaration of CE Conformity](#)

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[Instruction Leaflets](#)

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