



## Emergency switching off, 45mm, turn-release

**Part no.** M22-PVLT45P  
**Catalog No.** 121460  
**Alternate Catalog No.** M22-PVLT45PQ  
**EL-Nummer (Norway)** 4315241

## Delivery program

Product range	RMQ-Titan		
Basic function	Controlled stop pushbuttons/emergency-stop buttons		
Single unit/Complete unit	Single unit		
Design	∅	mm	Palm-tree shape
Diameter			45
Illumination	Illuminated with LED element		
Approval	 		
Description	Turn-to-release function Tamper-proof according to ISO 13850/EN 418		
Colour	Red		
Mushroom head			
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		

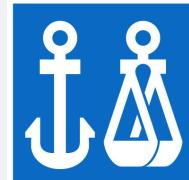
## Technical data

## 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

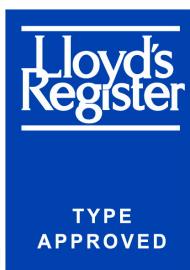
Shock duration 11 ms  
Sinusoidal  
according to IEC 60068-2-27

DNV  
GL  
LR



DNV

Germanischer Lloyd



## 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

Red

Construction type lens

Round

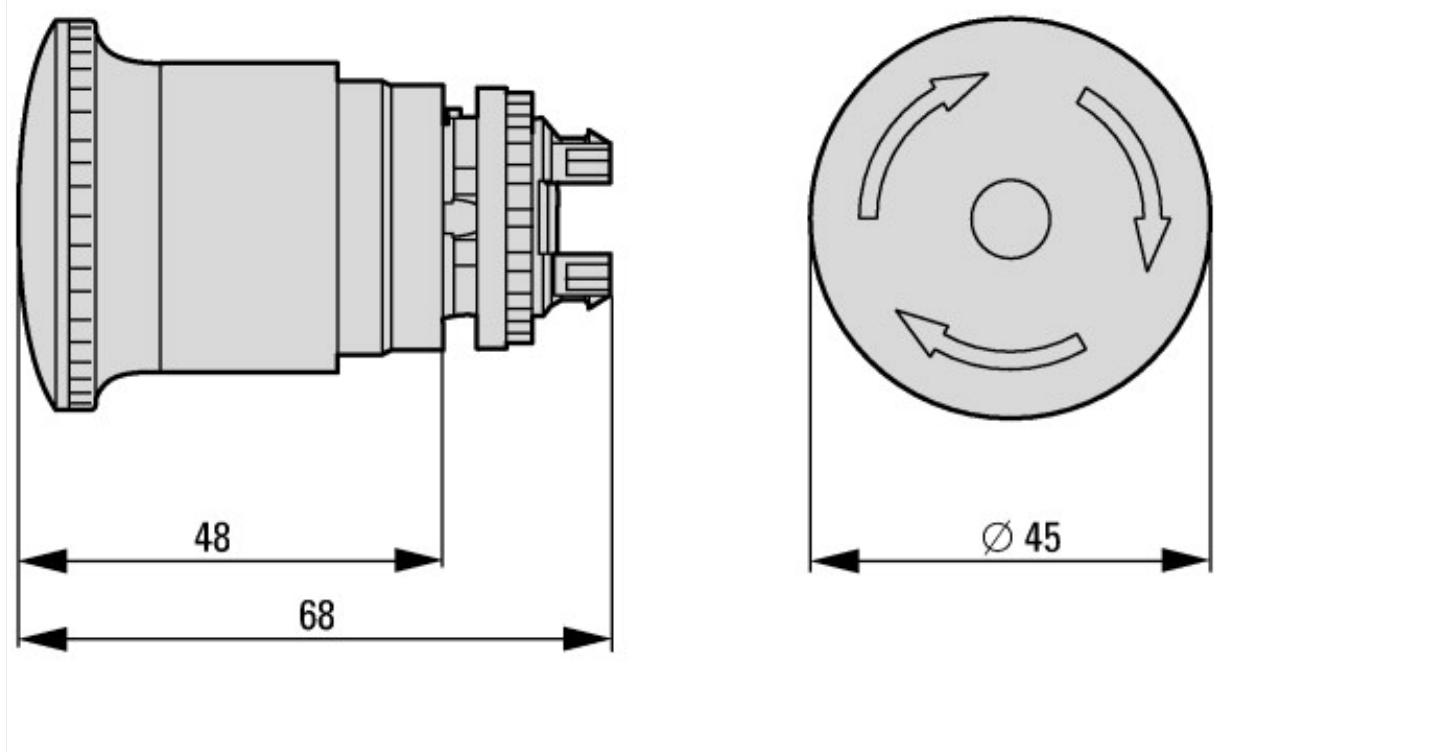
Diameter cap	mm	45
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0
Degree of protection (IP)		IP67/IP69K
Degree of protection (NEMA)		4X
Type of button		Flat
Suitable for illumination		No
Switching function latching		Yes
Spring-return		No
With front ring		No
Material front ring		Plastic
Colour front ring		Black
Suitable for emergency stop		Yes
Unlocking method		Turn-release

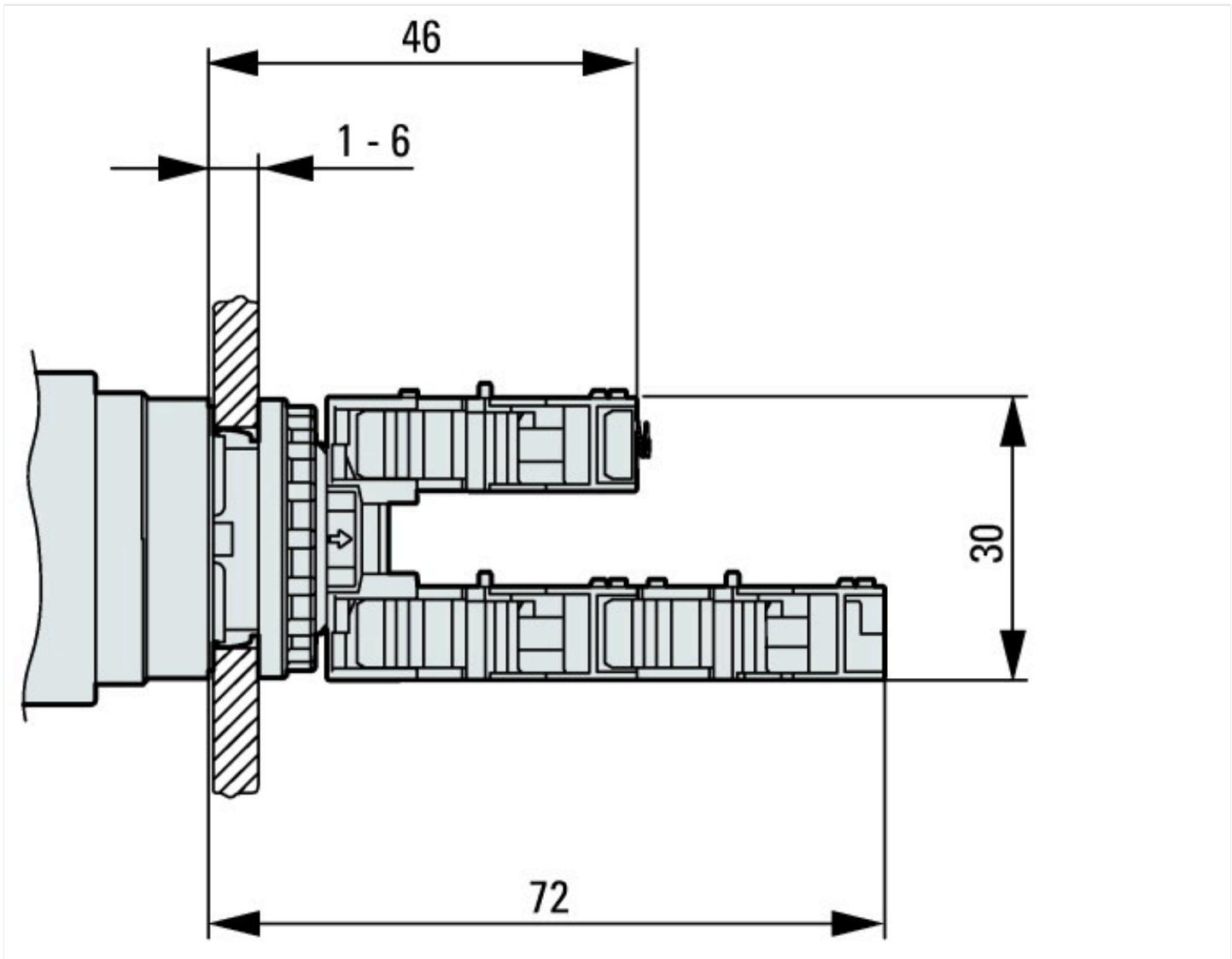
## Approvals

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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