

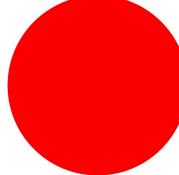


Emergency-stop pushbutton, D=60mm, turn-release, switch indication

Part no. M22-PVT60P
Catalog No. 121464
Alternate Catalog No. M22-PVT60PQ
EL-Nummer (Norway) 4315245


EATON
Powering Business Worldwide™

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	60		
Illumination	Non-illuminated		
Approval	 		
Description	Turn-to-release function		
Colour	Tamper-proof according to ISO 13850/EN 418		
Mushroom head	Red		
Base	 yellow RAL 3000		
Degree of Protection	IP66, IP67, IP69		
Connection to SmartWire-DT	no		
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1			
Minimum force for positive opening	N	0	
Instructions	Max. number of contacts: four M22-(C)K01, ...10 or two M22-(C)K02, ...20, ...11		

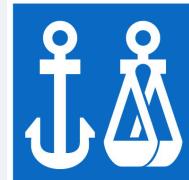
Technical data

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

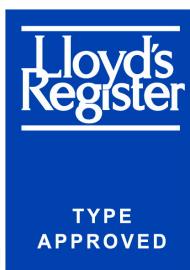
Shock duration 11 ms
Sinusoidal
according to IEC 60068-2-27

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

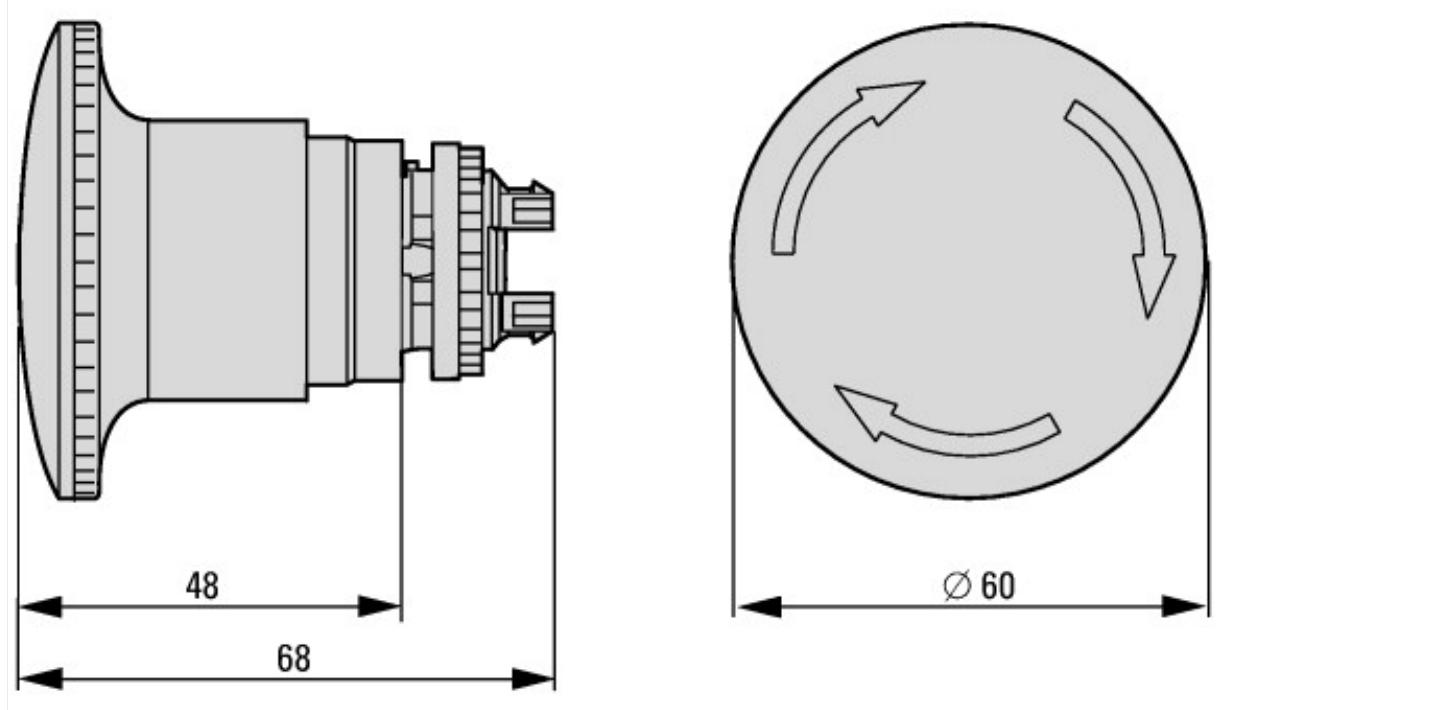
Diameter cap	mm	60
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0
Degree of protection (IP)		IP67/IP69K
Degree of protection (NEMA)		4X
Type of button		High
Suitable for illumination		No
Switching function latching		Yes
Spring-return		No
With front ring		No
Material front ring		Other
Colour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

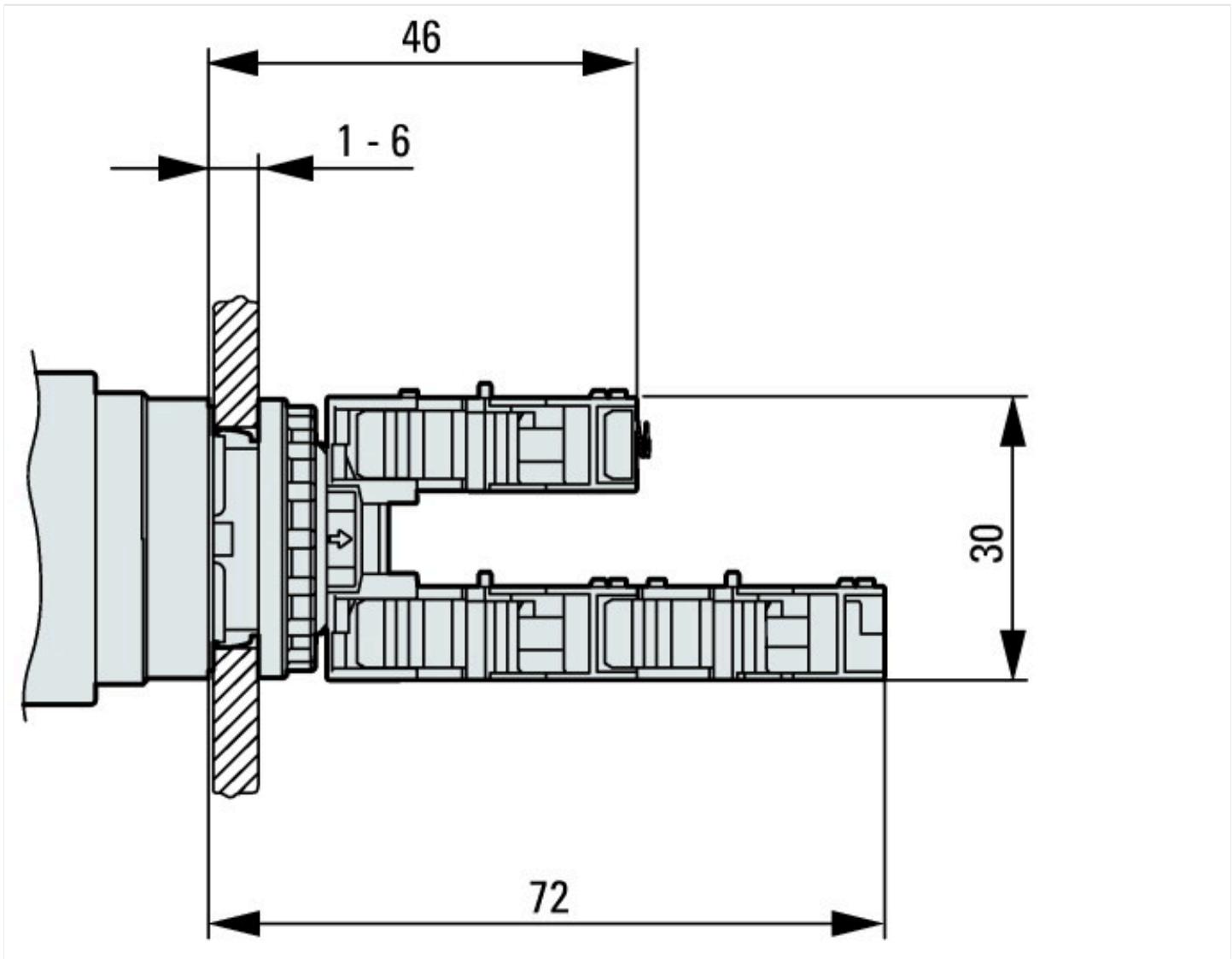
Approvals

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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