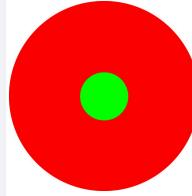




Emergency-stop/off pushbutton, D=45mm, switch position indication

Part no. M22-PV45P-MPI
Catalog No. 152863
Alternate Catalog No. M22-PV45P-MPIQ
EL-Nummer (Norway) 4315267

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	Non-illuminated
Illumination			
Approval			 
Description	Pull-to-release function Tamper-proof according to ISO 13850/EN 418 with mechanical switch position indication Switch position indicator red pushbutton actuated Switch position indication green pushbutton released		
Colour	Mushroom head  Red		
Base	yellow		
Degree of Protection	IP66, 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, IP69
Ambient temperature			
Open	°C		-25 - +70
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	I _n	A	0
Rated operational current for specified heat dissipation			
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)

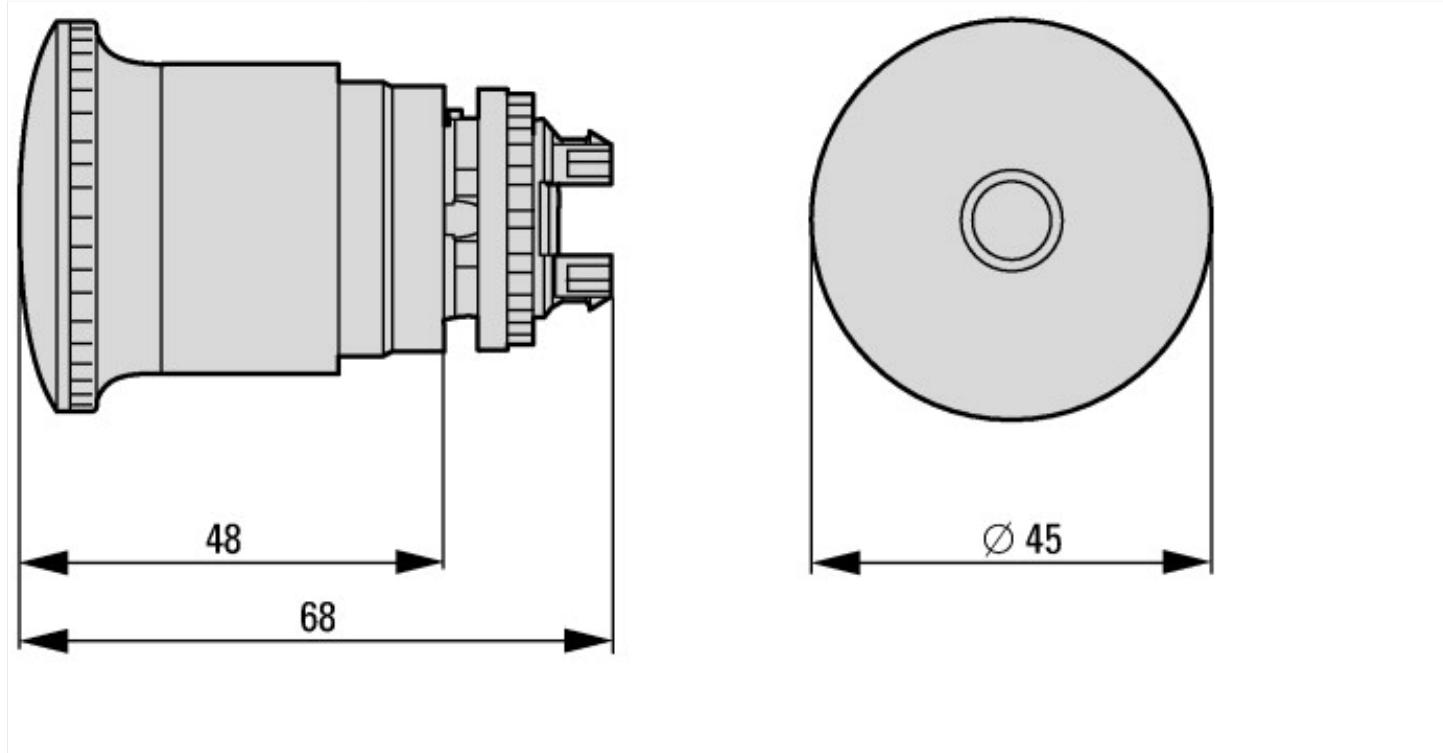
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss10.0.1-27-37-12-12 [AKF030014])

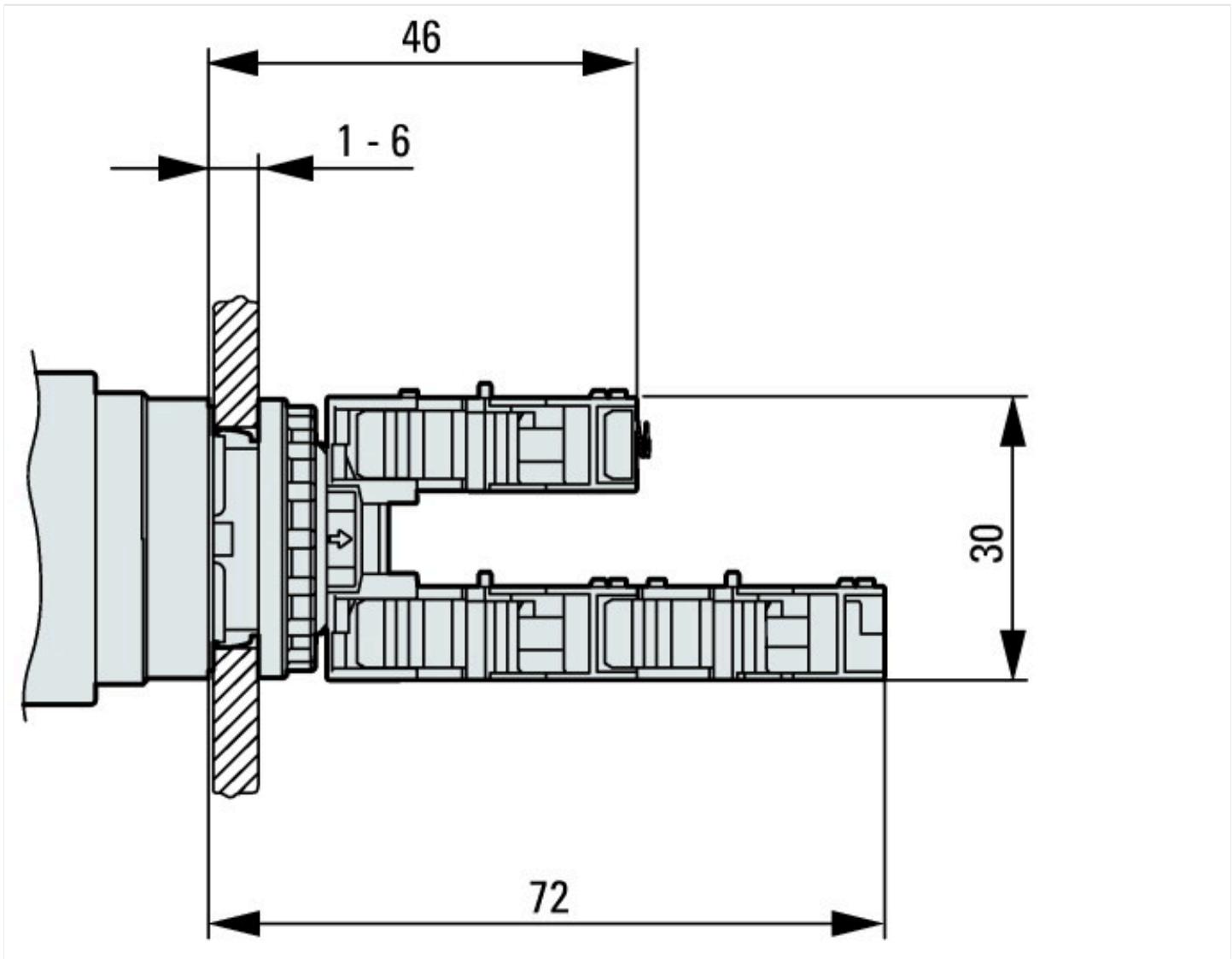
Colour button

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)		Other
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		Plastic
Colour front ring		Black
Suitable for emergency stop		Yes
Unlocking method		Pull-release

Dimensions





Assets (links)

[Declaration of CE Conformity](#)

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[Instruction Leaflets](#)

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