

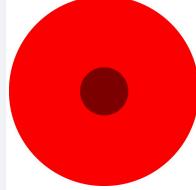


Emergency-stop/off pushbutton, D=60mm, illuminated, pull release

Part no. M22-PVL60P
Catalog No. 152861
Alternate Catalog No. M22-PVL60PQ
EL-Nummer (Norway) 4315265


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	Illuminated with LED element		
Approval	 		
Description	Pull-to-release function		
Colour	Tamper-proof according to ISO 13850/EN 418		
Mushroom head	Red		
Base			
Degree of Protection	yellow		
Connection to SmartWire-DT	IP66, IP69		
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1	no		
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		
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	-25 - +70 °C		
Open	As required		
Mounting position			
Mechanical shock resistance	g	50	Shock duration 11 ms Sinusoidal

shipping classification

DNV
GL
LR

Germanischer Lloyd


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

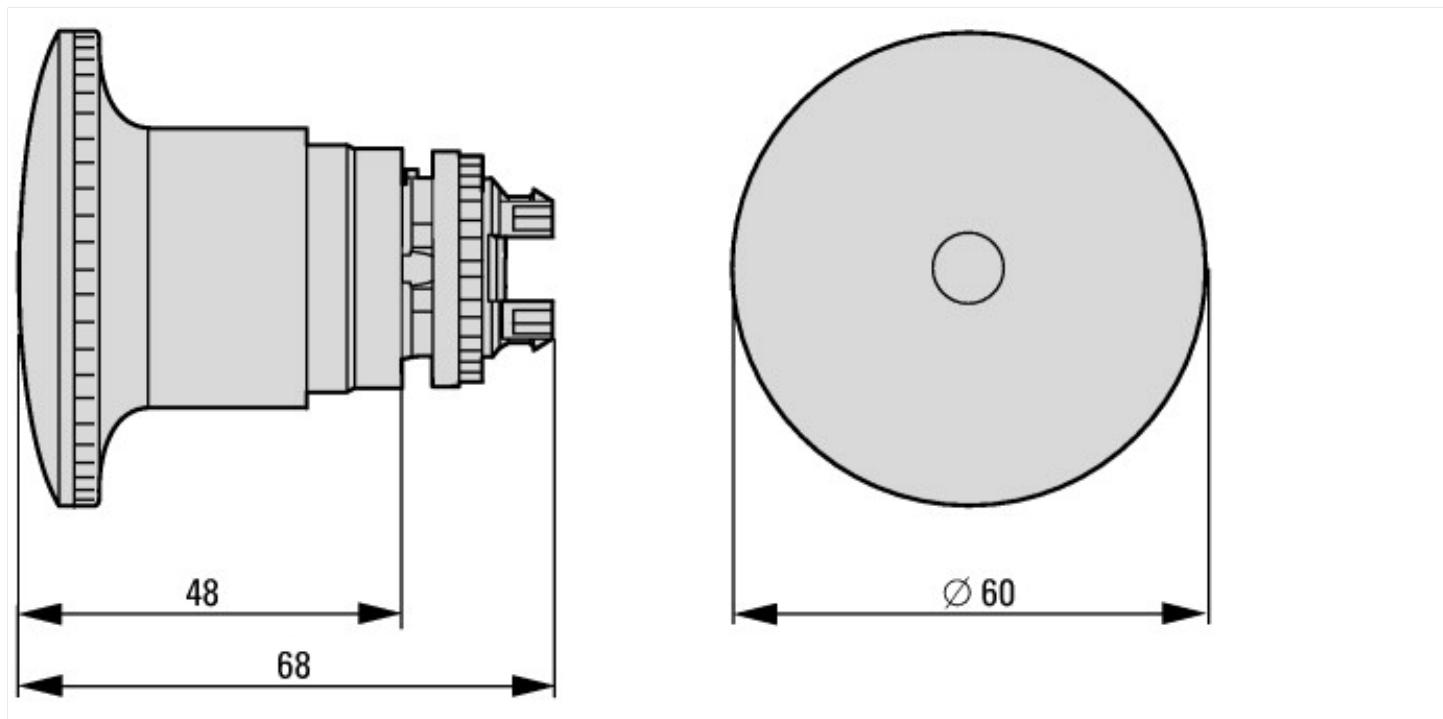
Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038)

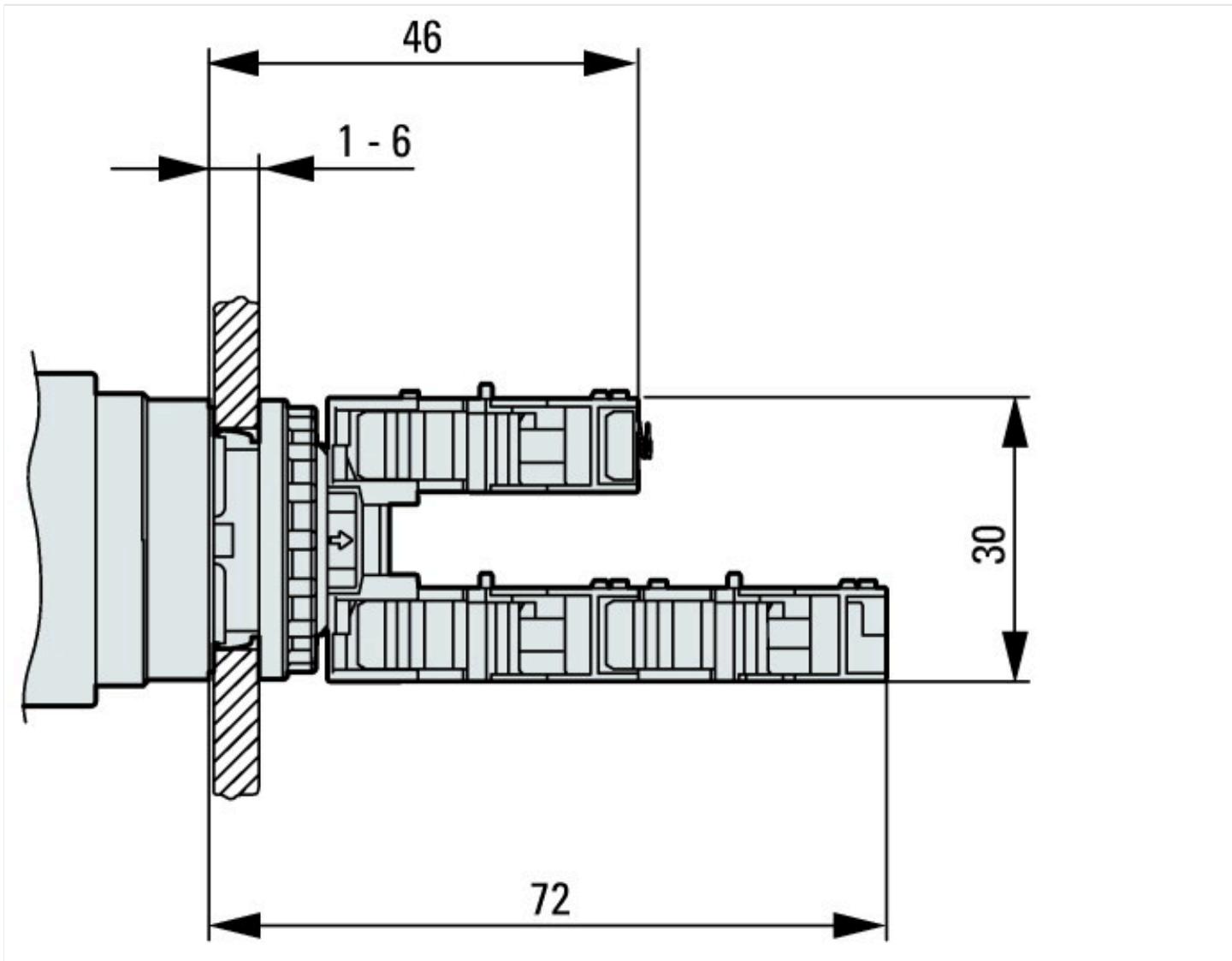
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss10.0.1-27-37-12-12 [AKF030014])

Colour button		Red
Construction type lens		Round
Diameter cap	mm	60

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		Yes
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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