

Emergency-stop pushbutton, D=45mm, illuminated, turn-release



Part no. M22-PVT45P
Article no. 121462
Catalog No. M22-PVT45P0

Delivery program

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	Ø	mm	45
Illumination			Non-illuminated
Approval			01097
			Turn-to-release function
Description			Tamper-proof according to ISO 13850/EN 418
Colour			
Mushroom head			Red
Base			yellow
Degree of Protection			IP67, IP69K
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	x 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
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

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	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 switch gear must be observed. $\label{eq:constraint}$
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:constraint}$
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

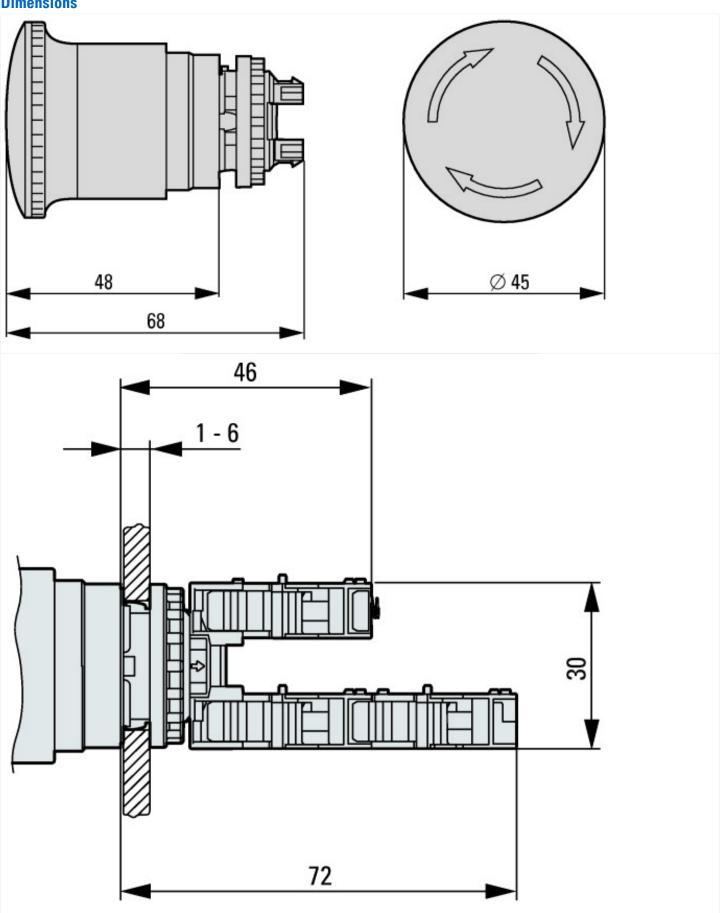
Technical data ETIM 6.0

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@ss8.1-27-37-12-12 [AKF030011])

Color buttonRedConstruction type lensMoundDiameter capm45Hole diameterm2.5Width openingm0Height meter openingm0Degree of protection (IP)m0Type of buttonmHighSuitable for illuminationm14Switching function latchingm14Syring-returnm14With front ringm14Maerial front ringm14Suitable for emergency stopm14Unlocking methodm14Joem14Tyre of buttonm14Joem14Joem14Maerial front ringm14Suitable for emergency stopm14Joem14Joem14JoemJoem14JoemJoem14JoemJoem14JoemJoem14JoemJoemJoemJoemJoemJoemJoemJoemJoemJoemJoemJoemJoemJoemJoemJoemJoem </th <th>(ecl@ss8.1-27-37-12-12 [AKF030011])</th> <th></th> <th></th>	(ecl@ss8.1-27-37-12-12 [AKF030011])		
Diameter cap mm 45 Hole diameter mm 22.5 Width opening mm 0 Height meter opening mm 0 Degree of protection (IP) - - Type of button High No Suitable for illumination No Yes Spring-return No No With front ring No No With front ring No No Material front ring No No Colour front ring Yes - Suitable for emergency stop Yes -	Colour button		Red
Hole diameter Width opening mm 0 Height meter opening mm 0 Degree of protection (IP)	Construction type lens		Round
Width opening mm 0 Height meter opening mm 0 Degree of protection (IP) Type of button Suitable for illumination No Switching function latching Spring-return With front ring Material front ring Colour front ring Suitable for emergency stop mm 0 Suitable for emergency stop mm 0 -	Diameter cap	mm	45
Height meter opening mm 0 Degree of protection (IP) Type of button High Suitable for illumination No Switching function latching Yes Spring-return No With front ring No Material front ring Colour front ring Suitable for emergency stop Yes	Hole diameter	mm	22.5
Degree of protection (IP) Type of button Suitable for illumination Switching function latching Spring-return With front ring Material front ring Colour front ring Suitable for emergency stop Type of button High No No No No Sweething function latching No No Sweething function latching No No Yes Yes Spring-return No No Yes Spring-return No No Material front ring Type of button No Yes Suitable for emergency stop Yes	Width opening	mm	0
Type of button Suitable for illumination No Switching function latching Spring-return No With front ring No Material front ring Colour front ring Suitable for emergency stop High No No No Swee Yes Spring-return No No No Swee Spring-return No No No Swee Spring-return No No No No No Swee Spring-return No	Height meter opening	mm	0
Suitable for illumination Suitable for illumination No Switching function latching Yes Spring-return No With front ring No Material front ring Colour front ring Suitable for emergency stop No Yes	Degree of protection (IP)		-
Switching function latching Spring-return No With front ring No Material front ring Colour front ring Suitable for emergency stop Yes Yes No No No Yes No Yes	Type of button		High
Spring-return No With front ring No Material front ring - Colour front ring - Suitable for emergency stop Yes	Suitable for illumination		No
With front ring No Material front ring - Colour front ring - Suitable for emergency stop No Yes	Switching function latching		Yes
Material front ring - Colour front ring - Suitable for emergency stop Yes	Spring-return		No
Colour front ring - Suitable for emergency stop Yes	With front ring		No
Suitable for emergency stop Yes	Material front ring		-
· , .	Colour front ring		-
Unlocking method Turn unlatching mechanism	Suitable for emergency stop		Yes
	Unlocking method		Turn unlatching mechanism

Dimensions



Additional product information (links)

IL04716005Z RMQ-Titan: Emergency stop buttons, Emergency stop buttons

IL04716005Z RMQ-Titan: Emergency stop buttons, Emergency stop buttons	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716005Z2016_10.pdf
IL04716002Z RMQ-Titan System	
IL04716002Z RMQ-Titan System	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2016_09.pdf