

Emergency-stop pushbutton, illuminated, turn-release

Powering Business Worldwide*

Part no. M22-PVLT
Article no. 263469
Catalog No. M22-PVLTQ

Delivery programme

Dontory programmo			
Product range			RMQ-Titan (drilling dimensions 22.5 mm)
Basic function			Controlled stop pushbuttons/emergency-stop buttons
Single unit/Complete unit			Single unit
Design			Mushroom-shaped
Diameter	Ø	mm	38
Illumination			Illuminated with LED element
Approval			01097 SUVA CNA INSAI BAUART GERRÜFT TYPE APPROVED
			Turn-to-release function
Description			Tamper-proof according to ISO 13850/EN 418
Colour			
Mushroom head			Red
Base			yellow
Degree of Protection			IP67, IP69K
Front ring			without bezel
Connection to SmartWire-DT			no
Front dimensions			35
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. $\label{eq:specifications}$
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

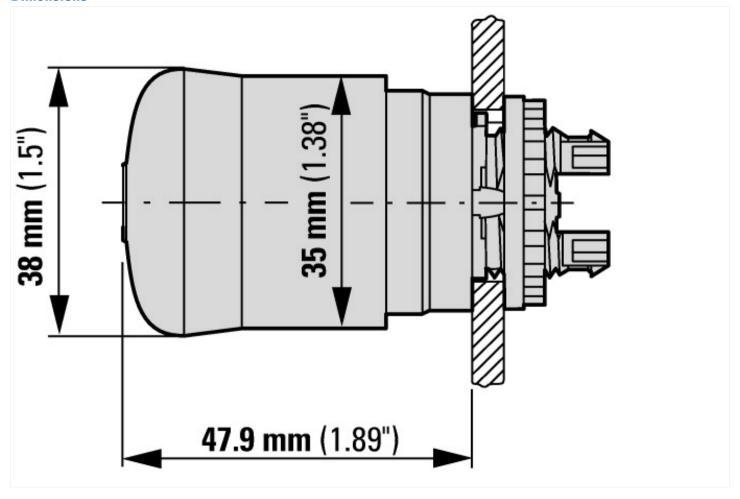
Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038)

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])

Construction type lens	(eci@ss8.1-2/-3/-12-12 [AKFU30U11])		
In immeter cap In immeter cap In immeter cap In immeter cap In immeter opening In immediate In immed	Colour button		Red
Hole diameter mm 22 Midth opening mm 22 Height meter opening mm 6 Degree of protection (IP) IP67 Type of button IP67 Suitable for illumination Yes Spring-return No Mith front ring No Material front ring Plastic Colour front ring Colour front ring Yes Suitable for emergency stop Yes	Construction type lens		Round
Width opening mm 22 Height meter opening mm 6 Degree of protection (IP) IP67 Type of button Suitable for illumination Yes Switching function latching Yes Spring-return No With front ring No Waterial front ring Plastic Colour front ring Colour front ring Suitable for emergency stop Yes Spring-return Yes Spring-return No Waterial front ring Plastic Colour front ring Yes Spring-return Suitable for emergency stop Yes	Diameter cap	mm	38
Height meter opening mm 6 Degree of protection (IP) Type of button Suitable for illumination Switching function latching Spring-return With front ring Material front ring Suitable for emergency stop mm 6 IP67 Flat Yes Flat Yes No No No No No Vith ground ring Plastic Chrome Suitable for emergency stop mm 6 IP67 Flat Yes Flat Yes Yes Spring-return No No No Ves Spring-return No No Ves Ves Suitable for emergency stop mm 6 IP67 Flat I	Hole diameter	mm	22
Degree of protection (IP) Type of button Suitable for illumination Switching function latching Spring-return No With front ring Material front ring Colour front ring Suitable for emergency stop IP67 Flat Yes Yes No No No Chrome Yes Chrome Yes Yes Yes Colour front ring Yes Yes Colour front ring Yes Yes	Width opening	mm	22
Flat Suitable for illumination Switching function latching Spring-return No With front ring Material front ring Colour front ring Suitable for emergency stop Flat Flat Yes Yes Yes No No Plastic Chrome Yes	Height meter opening	mm	6
Suitable for illumination Suitable for illumination Yes Switching function latching Yes No No With front ring No Waterial front ring Colour front ring Suitable for emergency stop Yes Yes Yes No Plastic Chrome Yes	Degree of protection (IP)		IP67
Switching function latching Spring-return No With front ring Material front ring Colour front ring Cuitable for emergency stop Yes No No No Chrome Yes Yes	Type of button		Flat
Spring-return No With front ring No Material front ring Plastic Colour front ring Chrome Suitable for emergency stop Yes	Suitable for illumination		Yes
No No Material front ring No Plastic Chrome Suitable for emergency stop Yes	Switching function latching		Yes
Material front ring Plastic Colour front ring Chrome Suitable for emergency stop Yes	Spring-return		No
Colour front ring Chrome Suitable for emergency stop Yes	With front ring		No
Suitable for emergency stop Yes	Material front ring		Plastic
	Colour front ring		Chrome
Unlocking method Turn unlatching mechanism	Suitable for emergency stop		Yes
	Unlocking method		Turn unlatching mechanism

Approvals		
Product Standards	IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking	
UL File No.	E29184	
UL Category Control No.	NKCR	
CSA File No.	012528	
CSA Class No.	3211-03	
North America Certification	UL listed, CSA certified	
Degree of Protection	UL/CSA Type 3R, 4X, 12, 13	

Dimensions



Additional product information (links)

Additional product information (links)				
IL04716005Z RMQ-Titan: Emergency stop buttons, Emergency stop buttons				
IL04716005Z RMQ-Titan: Emergency stop buttons ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716005Z2015_02.pdf				
IL04716002Z RMQ-Titan System				
IL04716002Z RMQ-Titan System	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2015_02.pdf			