

Emergency-stop pushbutton, non-illuminated, turn-release

Powering Business Worldwide*

Part no. M22S-PVT Article no. 271499 Catalog No. M22S-PVTQ

Delivery program

Product range			RMQ-Titan
Basic function			STOP pushbuttons Emergency stop pushbuttons
Single unit/Complete unit			Single unit
Design			Mushroom-shaped
Diameter	Ø	mm	38
Illumination			Non-illuminated
			Turn-to-release function
Colour			
Mushroom head			Black
Base			yellow
RAL Value			RAL 9005
Degree of Protection			IP67, IP69K IEC/EN 60529
Connection to SmartWire-DT			Yes, with SWD-RMQ connections
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1			
Minimum force for positive opening	N		0
Front dimensions			35

Technical data

General

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
EC/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 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])

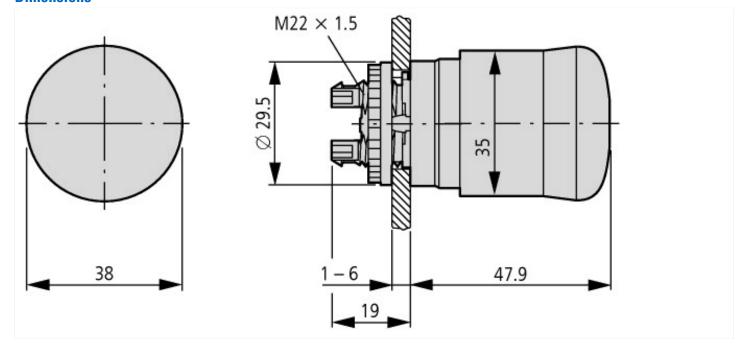
Color buttonIslackConstruction type lensImage: SundDiameter capImage: SundHole diameterImage: SundWidth openingImage: SundHeight meter openingImage: SundDegree of protection (IP)Image: SundType of buttonImage: SundSuitable for illuminationImage: SundSwitching function latchingImage: SundSyring-returnImage: SundWith front ringImage: SundMaterial front ringImage: SundSuitable for emergency stopImage: SundUnlocking methodImage: SundUnlo			
Diameter cap Diameter cap Hole diameter Width opening Width opening Mine 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	Colour button		Black
Mole diameter Width opening Height meter opening 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	Construction type lens		Round
Width opening mm 0 Height meter opening mm 0 Degree of protection (IP) P67 Type of button Suitable for illumination Yes Yes Spring-return York front ring Material front ring Colour front ring Suitable for emergency stop Material Forence of the State of	Diameter cap	mm	38
Height meter opening mm 0 Degree of protection (IP) 167 Type of button 161 Suitable for illumination 162 Switching function latching 163 Syring-return 163 With front ring 163 Material front ring 163 Colour front ring 163 Suitable for emergency stop 163 Signature 163 S	Hole diameter	mm	22
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	Width opening	mm	0
Type of button Suitable for illumination Switching function latching Spring-return With front ring Material front ring Colour front ring Suitable for emergency stop	Height meter opening	mm	0
Suitable for illumination Switching function latching Spring-return With front ring Material front ring Colour front ring Suitable for emergency stop No No No No No No Plastic Black No No	Degree of protection (IP)		IP67
Switching function latching Spring-return With front ring Material front ring Colour front ring Suitable for emergency stop Yes No No No No No Black No	Type of button		Flat
Spring-return No With front ring Material front ring Colour front ring Suitable for emergency stop No No No No No No No No No	Suitable for illumination		No
With front ring Material front ring Colour front ring Suitable for emergency stop No No No No No No No No No	Switching function latching		Yes
Material front ring Plastic Colour front ring Black Suitable for emergency stop No	Spring-return		No
Colour front ring Black Suitable for emergency stop No	With front ring		No
Suitable for emergency stop No	Material front ring		Plastic
	Colour front ring		Black
Unlocking method Turn unlatching mechanism	Suitable for emergency stop		No
	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)

IL04716002Z (AWA1160-1745) RMQ-Titan System

IL04716002Z (AWA1160-1745) RMQ-Titan System ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2016_09.pdf