DATASHEET - M22-PVS



Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 38 mm, Non-illuminated, Key-release, Red, yellow, RAL 3000, Not suitable for master key systems



Part no.	M22-PVS
Catalog No.	216879
Alternate Catalog	M22-PVSQ
No.	
EL-Nummer	4355323
(Norway)	

Delivery program

Basic function Orrolled stop pushbuttons/emergency-stop buttons Mounting hole diameter Single unit/Complete unit Design Mushroom-shaped Diameter Nushroom-shaped Description Nor-illuminated Mushroom head Nor-illumination Mushroom head Nor-illumination Base Nor-illumination Mushroom head Nor-illumination Base Nor-illumination Base Nor-illuminated Mushroom head Nor-illuminated Base Nor-illumination Base Nor-illuminated Description Nor-illuminated Mushroom head Nor-illuminated Base Nor-illuminated Description Nor-illuminated Base Nor-illuminated Description Nor-illuminated Nushroom head Nor-illuminated Base Nor-illuminated Description Nor-illuminated Description Nor-illuminated Description Nor-illuminated Description Nor-illuminated No				
Mounting hole diameter Ø mm 2.5 Single unit/Complete unit Single unit Mushroom-shaped Description Ø mm 38 Illumination Key-release Tamper-proof according to ISO 13850/EN 418 Description Tamper-proof according to ISO 13850/EN 418 Not-stuitable for master key systems Colour Fee Fee Mushroom head Fee Fee Base Verlow Verlow Description Fee Fee Description Fee Fee Mushroom head Fee Fee Description Fee Fee Base Fee Fee Description Fee Fee Description Fee Fee Base Fee Fee Description Fee Fee Description Fee Fee Base Fee Fee Connection to SmartWire-DT Fee Fee Fee Fee Fee Connection to SmartWire-DT Fee Fee	Product range			RMQ-Titan
Single unit/Complete unit Single unit Single unit Single unit Design MaxProom-shaped MaxProom-shaped Diametor MaxProom-shaped Single unit Illumination Key-release Single unit Single	Basic function			Controlled stop pushbuttons/emergency-stop buttons
Design Mashroom-shaped Diameter Ø mm 8 Illumination Key-release Tamper-proof according to ISO 13950/EN 418 Description Mashroom head No suitable for master key systems Mushroom head Mashroom head Fee Base Mashroom head Fee Fee Degree of Protection Fee Fee Fee Connection to SmartWire-DT Fee Fee Fee Mashroom head Fee Fee Fee Mashroom head Fee Fee Fee Base Fee Fee Fee Fee Mashroom head Fee Fee Fee Fee Mashroom head Fee Fee Fee Fee Base Fee	Mounting hole diameter	Ø	mm	22.5
Diameter Ø mm Balancianciancianciancianciancianciancianci	Single unit/Complete unit			Single unit
Illumination Non-illuminated Description Key-release Colour Totalable for master key systems Mushroon head Rel Sease Sease Base velowe Description Velowe Base velowe Description Pelowe Description Non-illuminated Description Pelowe Rel Pelowe Sease Velowe Description Pelowe Rel Pelowe	Design			Mushroom-shaped
New Precision Key-release Description Tamper-proof according to ISO 13850/EN 418 Colour Not suitable for master key systems Mushroom head Red For proof according to ISO 13850/EN 418 Red Sector Vellow Sector Vellow Sector Sector Sector Secto	Diameter	Ø	mm	38
Description Tamper-proof according to ISO 13850/EN 418 Colour Not suitable for master key systems Mushroom head Red Sease yellow Descreption Yellow Descreption Yellow Descreption Yellow Concection to SmartWire-DT Yellow Instructions Yellow	Illumination			Non-illuminated
Colour Not suitable for master key systems Mushroom head Red Sease yellow Base yellow Red Red Sease				Key-release
Colour Mushroom head Red Mushroom head Image: Colour	Description			Tamper-proof according to ISO 13850/EN 418
Mushroom head Red Mushroom head Image: State of the s				Not suitable for master key systems
BasevelowDegree of ProtectionComection to SmartWire-DTConnection to SmartWire-DTComection to SmartWire-DTMarket of Context of SmartWire-DTComection to Smar	Colour			
Base yellow Degree of Protection FAL 3000 Connection to SmartWire-DT FAL 3000 Instructions FAL 3000 Degree of Protection to SmartWire-DT FAL 3000 Instructions FAL 3000	Mushroom head			Red
Image: Protection Protection Protection Connection to SmartWire-DT Protection Protection Instructions Protection Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11				
Degree of Protection IP66, IP67, IP69 Connection to SmartWire-DT no Instructions Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11	Base			yellow
Connection to SmartWire-DT no Instructions Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11				RAL 3000
Instructions Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11	Degree of Protection			IP66, IP67, IP69
	Connection to SmartWire-DT			no
Information about equipment supplied 1 key included as standard	Instructions			Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11
	Information about equipment supplied			1 key included as standard

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
Degree of Protection			IP66, IP67, 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			
Rated operational current for specified heat dissipation	I _n	А	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 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])

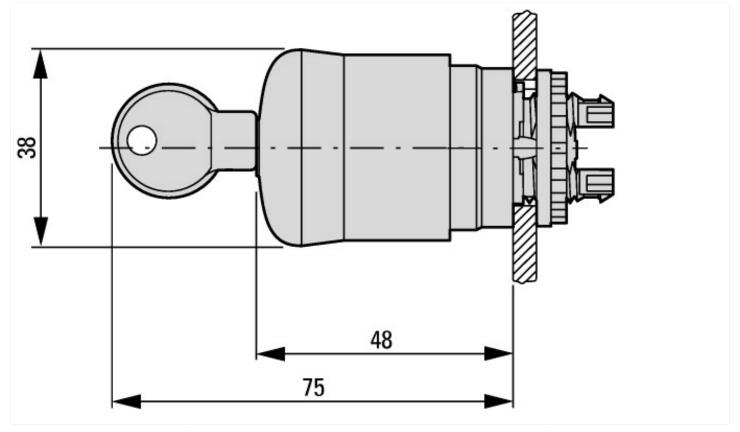
Colour button		Red
Construction type lens		Round
Diameter cap	mm	38
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0

Degree of protection (IP)	IP67/IP69K
Degree of protection (NEMA)	4X
Type of button	Flat
Suitable for illumination	No
Switching function latching	Yes
Spring-return	No
With front ring	No
Material front ring	Plastic
Colour front ring	Chrome
Suitable for emergency stop	Yes
Unlocking method	Key-release

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)

DGUV Test Mark Customer Information

http://www.dguv.de/medien/dguv-test-medien/_pdf_zip_doc_ppt/agb-und-pzo/ dguv_test_zeichen_infoblatt_kunden.pdf