DATASHEET - M22-PVS-MS*



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



M22-PVS-MS* Part no. Catalog No. 216880

Alternate Catalog

No.

EL-Nummer 4355765

(Norway)

Delivery program

Single unit/Complete unit Dasign Dameter Billumination Approval Approval Description Colour Mushroom shaped Red Red Red Red Red Red Red	Delivery program			
Muniting hole diameter Single unit/Complete unit Design Des	Product range			RMQ-Titan
Single unit/Complete unit Design Diameter Rillumination Approval Approval Description Colour Mushroom-shaped Key-release Lock mechanism Colour Mushroom-hand Mushroom-hand Approval Approval Approval Approval Approval Approval Approval Description Approval Approval Approval Approval Approval Description Approval Approval Approval Description Approval Ap	Basic function			Controlled stop pushbuttons/emergency-stop buttons
Diameter Dia	Mounting hole diameter	Ø	mm	22.5
Diameter Dia	Single unit/Complete unit			Single unit
Illumination	Design			Mushroom-shaped
Approval App	Diameter	Ø	mm	38
Secretaria Sec	Illumination			Non-illuminated
Description Description Tamper-proof according to ISO 13850/EN 418 Not suitable for master key systems Select from MS1-MS20 Red Red Red Red Red Red Red Re	Approval			Sicherheit geprüft tested safety
Not suitable for master key systems Select from MS1-MS20 Colour Mushroom head Base Perfection Degree of Protection Connection to SmartWire-DT Instructions Not suitable for master key systems Select from MS1-MS20 Red Red Perfection Red Red Perfection RAL 3000 IP66, IP67, IP69 no Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11				Key-release
Lock mechanism Select from MS1-MS20 Colour Red Mushroom head Ped Base yellow RAL 3000 RAL 3000 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	Description			Tamper-proof according to ISO 13850/EN 418
Colour Red Mushroom head Red Base yellow RAL 3000 RAL 3000 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				Not suitable for master key systems
Mushroom head Base Pegree of Protection Connection to SmartWire-DT Instructions Red Red Red Red Red Red Red Re	Lock mechanism			Select from MS1-MS20
Base yellow RAL 3000 Degree of Protection Connection to SmartWire-DT Instructions Pass RAL 3000 RAL 3	Colour			
RAL 3000 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	Mushroom head			Red
RAL 3000 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				
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
		Lloyd's Register DIV Germanischer Lloyd TYPE APPROVED

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 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

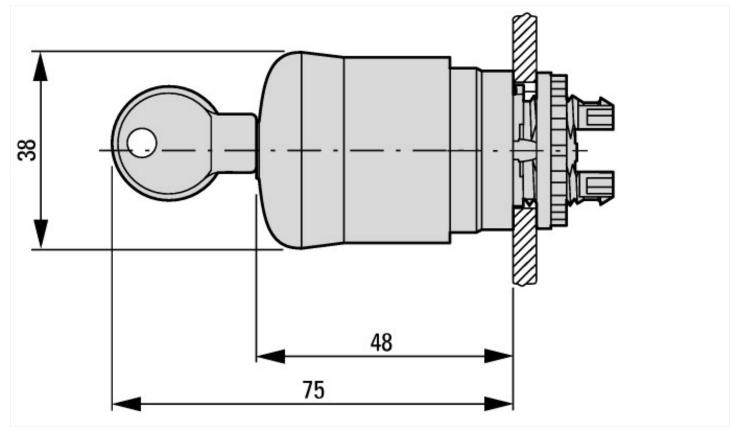
Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038)

Electric engineering, automation, process control engineering / Lov (ecl@ss10.0.1-27-37-12-12 [AKF030014])	w-voltage switch technology / Com	nmand a	and alarm device / Front element for mushroom push-button actuators
Colour button			Red
Construction type lens			Round
Diameter cap	mn	m	38
Hole diameter	mn	m	22.5
Nidth opening	mn	m	0
leight opening	mn	m	0
Degree of protection (IP)			IP67/IP69K
Degree of protection (NEMA)			4X
ype of button			Flat
cuitable for illumination			No
witching function latching			Yes
Spring-return			No
Vith 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)

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

IL04716005Z RMQ-Titan: Emergency stop buttons, Emergency stop buttons	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716005Z2020_01.pdf
IL04716002Z RMQ-Titan System	
IL04716002Z RMQ-Titan System	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2020_09.pdf
DGUV Test Mark Customer Information	$http://www.dguv.de/medien/dguv-test-medien/_pdf_zip_doc_ppt/agb-und-pzo/dguv_test_zeichen_infoblatt_kunden.pdf$