DATASHEET - M22-PVT45P-MPI



Emergency stop/emergency switching off pushbutton, RMQ-Titan, Palmtree shape, 45 mm, Non-illuminated, Turn-to-release function, Red, yellow, RAL 3000, with mechanical switch position indication



Part no. M22-PVT45P-MPI

Catalog No. 121463

Alternate Catalog M22-PVT45P-MPIQ

No.

EL-Nummer 4315244

(Norway)

Delivery program

Poductrange Basic function Basic fun	Delivery program			
Mounting hole diameter Single unit/Complete unit Design Diameter Diameter Diameter Diameter Diameter Approval Approval Colour Mushroom head Base Base Design Design Description Base Description D	Product range			RMQ-Titan
Single unit/Complete unit Design Diameter Illumination Approval Description Colour Mushroom head Base Base Degree of Protection Degree of Protection Connection to SmartWire-DT Diameter Palm-tree shape AFA AFA AFA Non-Illuminated Non-Illuminated Non-Illuminated Non-Illuminated Non-Illuminated Non-Illuminated Non-Illuminated Intur-to-release function Turn-to-release function Turn-to-release function Turn-to-release function Switch position indicator and pushbutton released With position indicator red pushbutton released With mechanical swinters position indicator With mechanical swinters position released With mechanical swinters position indicator With mechanical swinters position indicator With mechanical swinters position indicator With mechanical swinters position indicato	Basic function			Controlled stop pushbuttons/emergency-stop buttons
Description Description Description Mushroom head Base Base Definition Approval Approval Description Description	Mounting hole diameter	Ø	mm	22.5
Diameter Diameter O mm 45 Non-Illuminated	Single unit/Complete unit			Single unit
Illumination Approval Approval Approval Description Colour Mushroom head Base Page of Protection Degree of Protection Connection to SmartWire-DT Non-illuminated Non-illuminated Non-illuminated Furn-to-release function Turn-to-release function Turn-to-release function Tamper-proof according to ISO 13850/EN 418 with mechanical switch position indication switch position indication switch position indication green pushbutton released Red Page of Protection Page of Protection Page of Protection Protection SmartWire-DT Non-illuminated Non-illuminated Non-illuminated Non-illuminated Purn-to-release function Turn-to-release function Furn-to-release function Furn-	Design			Palm-tree shape
Approval Filid Fi	Diameter	Ø	mm	45
Description Turn-to-release function Tamper-proof according to ISO 13850/EN 418 with mechanical switch position indication Switch position indicator red pushbutton actuated Switch position indication green pushbutton released Red Red Base yellow RAL 3000 Degree of Protection Connection to SmartWire-DT no	Illumination			Non-illuminated
with mechanical switch position indication Switch position indicator red pushbutton actuated Switch position indicator red pushbutton released Red Red Base yellow RAL 3000 Degree of Protection Connection to SmartWire-DT no	Approval			Sicherheit geprüft tested safety SUVA CNA INSAI
with mechanical switch position indication Switch position indicator red pushbutton actuated Switch position indicator red pushbutton released Red Red Base yellow RAL 3000 Degree of Protection Connection to SmartWire-DT no	Description			Tamper-proof according to ISO 13850/EN 418
Mushroom head Red Property of Protection Connection to SmartWire-DT Red Protection Red Protection Pellow RAL 3000 IP66, IP67, IP69 ROUND	•			with mechanical switch position indication Switch position indicator red pushbutton actuated
Base yellow RAL 3000 Degree of Protection IP66, IP67, IP69 Connection to SmartWire-DT no	Colour			
RAL 3000 Degree of Protection IP66, IP67, IP69 Connection to SmartWire-DT no	Mushroom head			Red
RAL 3000 Degree of Protection IP66, IP67, IP69 Connection to SmartWire-DT no				
Degree of Protection IP66, IP67, IP69 Connection to SmartWire-DT no	Base			yellow
Connection to SmartWire-DT no				RAL 3000
	Degree of Protection			IP66, IP67, IP69
Instructions Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11	Connection to SmartWire-DT			no
	Instructions			Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11

Technical data

General

deliciai			
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	(50 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27
shipping classification		DNV GL LR
		Lloyd's Register
		DIV Germanischer Lloyd APPROVED

Design verification as per IEC/EN 61439

Technical data for design verification Rated operational current for specified heat dissipation Heat dissipation per pole, current-dependent Equipment heat dissipation, current-dependent Pvid W 0 Static heat dissipation, non-current-dependent Pvs W 0 Heat dissipation capacity Pdiss W 0 Operating ambient temperature min. Operating ambient temperature max. IEC/EN 61439 design verification 10.2 Strength of materials and parts	
Heat dissipation per pole, current-dependent 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. IEC/EN 61439 design verification 10.2 Strength of materials and parts	
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	
Static heat dissipation, non-current-dependent P _{vs} W 0 Heat dissipation capacity Operating ambient temperature min. Operating ambient temperature max. CC -25 Operating ambient temperature max. IEC/EN 61439 design verification 10.2 Strength of materials and parts	
Heat dissipation capacity Pdiss W Operating ambient temperature min. Operating ambient temperature max. C TO IEC/EN 61439 design verification 10.2 Strength of materials and parts	
Operating ambient temperature min. Operating ambient temperature max. Operating ambient temperature max. C 70 IEC/EN 61439 design verification 10.2 Strength of materials and parts	
Operating ambient temperature max. C 70 IEC/EN 61439 design verification 10.2 Strength of materials and parts	
IEC/EN 61439 design verification 10.2 Strength of materials and parts	
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	
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	
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 observed.	or the switchgear must be
10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for observed.	or the switchgear must be
10.13 Mechanical function The device meets the requirements, provided the inform leaflet (IL) is observed.	ation in the instruction

Technical data ETIM 7.0

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

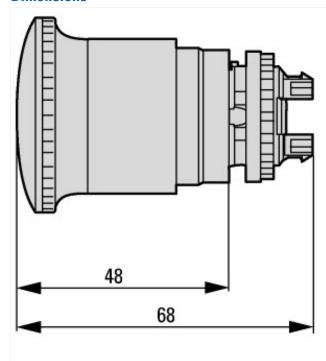
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss10.0.1-27-37-12-12 [AKF030014])

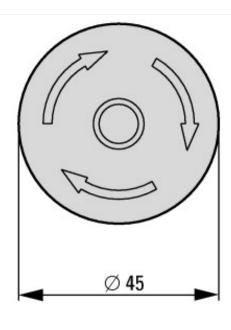
Colour button		Red
Construction type lens		Round
Diameter cap	mm	45
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0
Degree of protection (IP)		IP67/IP69K
Degree of protection (NEMA)		4X
Type of button		Flat
Suitable for illumination		No
Switching function latching		Yes
Spring-return		No
With front ring		No
Material front ring		Other
Colour front ring		Other
Suitable for emergency stop		Yes
Unlocking method		Turn-release

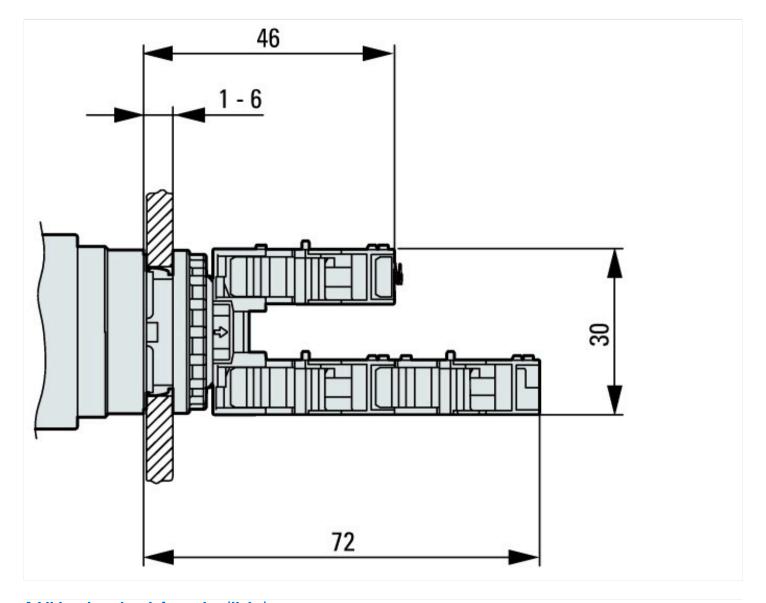
Approvals

North America Certification Request filed for UL and CSA

Dimensions







Additional product information (links)

IL04716002Z RMQ-Titan System	
IL04716002Z RMQ-Titan System	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2018_10.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