DATASHEET - M22-PVT60P



Emergency stop/emergency switching off pushbutton, RMQ-Titan, Palmtree shape, 60 mm, Non-illuminated, Turn-to-release function, Red, yellow, RAL 3000



Part no. M22-PVT60P Catalog No. 121464 Alternate Catalog M22-PVT60P0

No.

EL-Nummer 4315245

(Norway)

Delivery program

Product range Basic function Mounting hole diameter Single unit/Complete unit Design Diameter Diameter Diameter Diameter Description Colour Mushroom head Description Descripti	Delivery program			
Mounting hole diameter Single unit/Complete unit Design Diameter Diameter Diameter Description Description Colour Mushroom head Base Base Degree of Protection Connection to SmartWire-DT Mind to the single unit Palm-tree shape 60 Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Red Fed Vellow RAL 3000 P66, IP67, IP69 Done-ction to SmartWire-DT	Product range			RMQ-Titan
Single unit/Complete unit Design Diameter Description Colour Mushroom head Base Degree of Protection Connection to SmartWire-DT Single unit Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Red Vellow RAL 3000 IP66, IP67, IP69 no	Basic function			Controlled stop pushbuttons/emergency-stop buttons
Description Colour Mushroom head Base Degree of Protection Connection to SmartWire-DT Minumation Minumation Minumated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Red Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Tamper-proof according to ISO 13850/EN 418 Palm-tree shape Non-illuminated Tamper-proof according to ISO 13850/EN 418 Pa	Mounting hole diameter	Ø	mm	22.5
Diameter Illumination Description Colour Mushroom head Base Base Degree of Protection Connection to SmartWire-DT Mon-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Red Vellow RAL 3000 IP66, IP67, IP69 no	Single unit/Complete unit			Single unit
Illumination Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Colour Mushroom head Red Red Base yellow RAL 3000 Degree of Protection Connection to SmartWire-DT Non-illuminated Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Red Red 1000 1000 1000 1000 1000 1000 1000 1	Design			Palm-tree shape
Turn-to-release function Tamper-proof according to ISO 13850/EN 418 Colour Mushroom head Red Base yellow RAL 3000 Degree of Protection Connection to SmartWire-DT Tomper-proof according to ISO 13850/EN 418 Red PRED Tamper-proof according to ISO 13850/EN 418 Red PRED Red 1866 1876 1876 1876 1876 1876 1876 187	Diameter	Ø	mm	60
Description Colour Mushroom head Red Page Base yellow RAL 3000 Degree of Protection Connection to SmartWire-DT Tamper-proof according to ISO 13850/EN 418 Red Page Red yellow RAL 3000 IP66, IP67, IP69 no	Illumination			Non-illuminated
Colour Mushroom head Red Performance of Protection Degree of Protection Connection to SmartWire-DT Red Protection Red Performance of Protection IP66, IP67, IP69 no				Turn-to-release function
Mushroom head Red Ped Ped Ped Ped Ped Ped Pe	Description			Tamper-proof according to ISO 13850/EN 418
Base yellow RAL 3000 Degree of Protection IP66, IP67, IP69 Connection to SmartWire-DT no	Colour			
Base yellow 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

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

Design vernication as per 1EG/EN 01433			
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 / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (eci@ss10.0.1-27-37-12-12 [AKF030014])

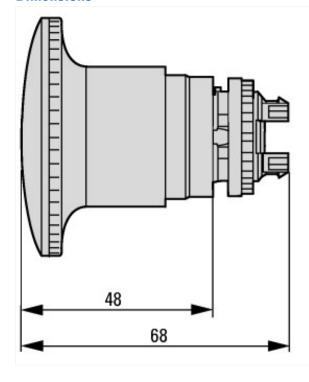
(eci@ss10.0.1-21-31-12-12 [ANF030014])		
Colour button		Red
Construction type lens		Round
Diameter cap	mm	60
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0

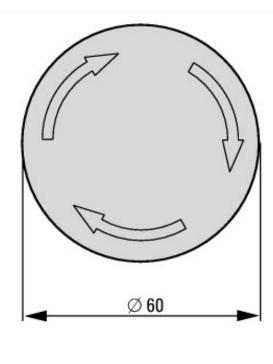
Degree of protection (IP)	IP67/IP69K
Degree of protection (NEMA)	4X
Type of button	High
Suitable for illumination	No
Switching function latching	Yes
Spring-return	No
With front ring	No
Material front ring	Other
Colour front ring	Other
Suitable for emergency stop	Yes
Unlocking method	Turn-release

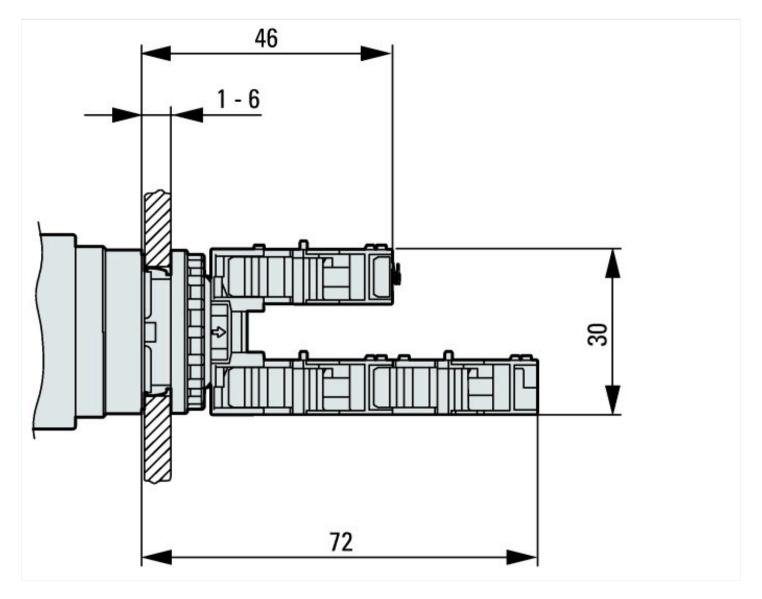
Approvals

North America Certification		Request filed for UL and CSA
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Dimensions







Additional product information (links)

DGUV Test Mark Customer Information

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