DATASHEET - M22-PVT



${\bf Emergency\hbox{-}stop\ pushbutton,\ non-illuminated,\ turn-release}$



Part no. M22-PVT
Catalog No. 263467
Eaton Catalog No. M22-PVTQ
EL-Nummer 0004355405
(Norway)

Delivery program

Poduct range Basic function Basic function Basic function Bosign Diameter O O Mushroom-shaped Rillmination Approval Description Description Colour Mushroom-head Page Mushroom-head Reservation Mushroom-head Description Colour Mushroom-head Page Mushroom-head Reservation Mushroom-head Page	Delivery program			
Single unitComplete unit Design Diameter Mushroom-shaped Mu	Product range			RMQ-Titan
Design Mushroom-shaped Diameter 38 Illumination Non-illuminated Approval Non-illuminated Approval Filiativ Elitable Filiativ Sicherheit geprüft tested safety Turn-to-release function Turn-to-release function Colour Red Mushroom head Red Base yellow Base yellow Post of Protection RAJ 3000 Concetant or famityVire-DT RAJ 3000 Actual travel and actuation force as per DIN EN 60947-5-1, Minimum force for positive opening PSE, IPS7, IPS8K Front dimensions U Yellow Scott Yellow Actual travel and actuation force as per DIN EN 60947-5-1, Minimum force for positive opening Yellow Front dimensions Yellow	Basic function			Controlled stop pushbuttons/emergency-stop buttons
Diameter Approval Approv	Single unit/Complete unit			Single unit
Illumination Approval Approval Approval Approval Approval Description Colour Mushroom head Base Performance Performance Performance Approval Ap	Design			Mushroom-shaped
Approval Approv	Diameter	Ø	mm	38
Description Colour Mushroom head Base Page of Protection Connection to SmartWire-DT Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1 Minimum force for positive opening Minimum force f	Illumination			Non-illuminated
Description Colour Mushroom head Base Percent of Protection Connection to SmartWire-DT Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1 Minimum force for positive opening Mushroom head Tamper-proof according to ISO 13850/EN 418 Red Percent of Production velocity vellow RAL 3000 Percent of Protection Percent of Protection N O To	Approval			Sicherheit geprüft tested safety
Colour Mushroom head Red Red Public Protection Degree of Protection Connection to SmartWire-DT Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1 Minimum force for positive opening Mushroom head Red Pollow RAL 3000 IP66, IP67, IP69K no O TOREST OF TORE	Description			
Mushroom head Red Red Red Vellow RAL 3000 Degree of Protection Connection to SmartWire-DT 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 Red Vellow RAL 3000 ROD ROD ROD ROD ROD ROD ROD				Tamper-proof according to ISO 13850/EN 418
Base yellow RAL 3000 Degree of Protection IP66, IP67, IP69K Connection to SmartWire-DT 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				
Degree of Protection IP66, IP67, IP69K Connection to SmartWire-DT 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 RAL 3000 IP66, IP67, IP69K no 0 35	Mushroom head			Red
Degree of Protection IP66, IP67, IP69K Connection to SmartWire-DT 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 RAL 3000 IP66, IP67, IP69K no 0 35				
Degree of Protection Connection to SmartWire-DT 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 IP66, IP67, IP69K no 0 0 35	Base			yellow
Connection to SmartWire-DT 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				RAL 3000
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	Degree of Protection			IP66, IP67, IP69K
K.5.4.1 Minimum force for positive opening N 0 Front dimensions 35	Connection to SmartWire-DT			no
Front dimensions 35				
	Minimum force for positive opening	N		0
Instructions Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11	Front dimensions			35
	Instructions			Max. number of contacts: four M22-(C)K01,10 or two M22-(C)K02,20,11

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, IP69K
Ambient temperature			
Open		°C	-25 - +70
Mounting position			As required
Mechanical shock resistance		g	50

Design verification as per IEC/EN 61439

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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 switch gear must be observed. $\label{eq:specification}$
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])

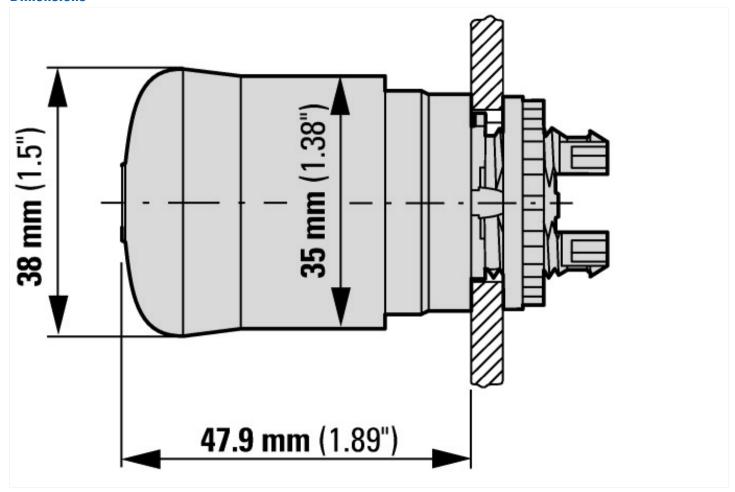
(eci@ss10.0.1-21-31-12-12 [AKF030014])		
Colour button		Red
Construction type lens		Round
Diameter cap	mm	38
Hole diameter	mm	22
Width opening	mm	0
Height opening	mm	0
Degree of protection (IP)		IP67/IP69K
Degree of protection (NEMA)		4X
Type of button		Flat
Suitable for illumination		No
Switching function latching		Yes
Spring-return		No

With front ring	No
Material front ring	Plastic
Colour front ring	Chrome
Suitable for emergency stop	Yes
Unlocking method	Turn-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	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716005Z2018_07.pdf	
IL04716002Z RMQ-Titan System		
IL04716002Z RMQ-Titan System	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2018_10.pdf	
DGUV Test Mark Customer Information	$http://www.dguv.de/medien/dguv-test-medien/_pdf_zip_doc_ppt/agb-und-pzo/dguv_test_zeichen_infoblatt_kunden.pdf$	