DATASHEET - M22S-DRP-S-X0



Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom black, black, inscribed, Bezel: black

Powering Business Worldwide*

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Part no. M22S-DRP-S-X0 Catalog No. 216756

Alternate Catalog M22S-DRP-S-X0Q

No

Delivery program

Basic function Mounting hole diameter Single unit/Complete unit Dasign Colour Mushroom Mushroom Mushroom colour Mushroom colour Button plate button plate Button plate One of Protection Bustron plate Connection to SmartWire-DT Design Mushroom Mushroo	Delivery program			
Mounting hole diameter Single unit/Complete unit Design Mushroom Mushroom Mushroom colour Mushroom colour Button plate button plate button plate Design Button plate The string of Protection Degree of Protection Front ring Connection to SmartWire-DT Function Function Mushroom 2.5 Single unit Aushroom Aus	Product range			RMQ-Titan
Single unit/Complete unit Design Mushroom Mushroom Mushroom colour Mushroom colour Button plate bitton plate bitton plate Degree of Protection Degree of Protection Front ring Connection to SmartWire-DT Function Single unit Mushroom Mushroom Mushroom Mushroom Aushroom Aushroom	Basic function			Mushroom-headed pushbutton
Design Mushroom Mushroom colour Mushroom colour Button plate place of Protection place button plate place button place b	Mounting hole diameter	Ø	mm	22.5
maintained Colour Mushroom black Mushroom colour Search Search Shark Wire-DT black Button plate black pagree of Protection inscribed Pront ring peach Jefo, Ireg Connection to SmartWire-DT yes with SWD-RMQ connections Function maintained	Single unit/Complete unit			Single unit
Colour Mushroom black Mushroom colour Image: Colour colo	Design			Mushroom
Mushroom colour Mushroom colour Button plate button plate button plate Button plate button plate button plate button plate Function Degree of Protection Front ring Connection to SmartWire-DT Function Diack inscribed inscribed PEG, PE7, PE9 with SWO-RMQ connections maintained				maintained
Mushroom colour Button plate button plate Button plate Button plate Button plate Degree of Protection Degree of Protection Front ring Connection to SmartWire-DT Function Function Button plate Button plate Back Inscribed Inscribed IP66, IP67, IP69 Bezel: black yes with SWD-RMQ connections maintained	Colour			
Button plate button plate But	Mushroom			black
button plate Button plate Button plate Button plate inscribed inscribed pegree of Protection Protection Protection Front ring Connection to SmartWire-DT Function inscribed pegel: black yes with SWD-RMQ connections maintained	Mushroom colour			
Button plate Button plate Inscribed Inscribed Degree of Protection Front ring Connection to SmartWire-DT Function Button plate Inscribed IP66, IP69, IP69 Bezel: black Yes with SWD-RMQ connections maintained	Button plate			
inscribed inscribed Degree of Protection Degree of Protection Front ring Connection to SmartWire-DT Function Function Inscribed Inscrib	button plate			black
Degree of Protection IP66, IP67, IP69 Front ring Bezel: black Connection to SmartWire-DT yes with SWD-RMQ connections Function maintained	Button plate			
Front ring Bezel: black Connection to SmartWire-DT yes with SWD-RMQ connections Function maintained				inscribed
Connection to SmartWire-DT yes with SWD-RMQ connections Function maintained	Degree of Protection			IP66, IP67, IP69
Function with SWD-RMQ connections maintained	Front ring			Bezel: black
	Connection to SmartWire-DT			
Instructions Stay-put/spring-return function can be changed on device	Function			maintained
	Instructions			Stay-put/spring-return function can be changed on device

Technical data

General			
Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 ⁶	>1
Operating frequency	Operations/h		≦ 1800
Actuating force		n	≦ 5
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
Storage		°C	- 40 - + 80
Mounting position			As required
Mechanical shock resistance		g	30 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27
shipping classification			DNV







Design verification as per IEC/EN 61439

Design vermedition as per reo/en or 150			
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 switch gear must be observed. $\label{eq:constraint}$
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])

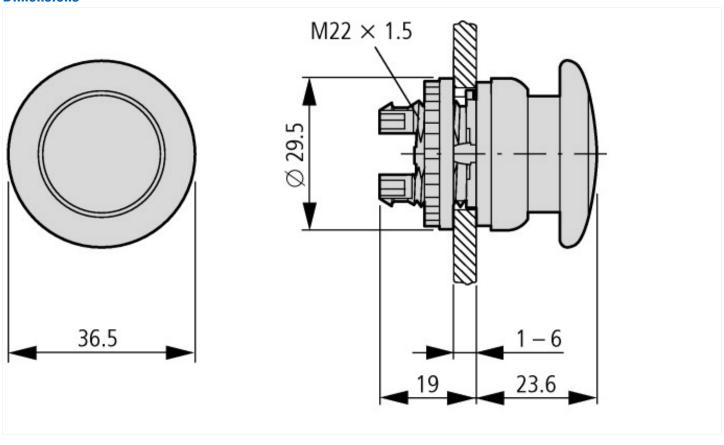
(60)@3310.0.1-27-07-12-12 [AKI 000014]/		
Colour button		Black
Construction type lens		Round
Diameter cap	mm	36.5
Hole diameter	mm	22.5
Width opening	mm	0

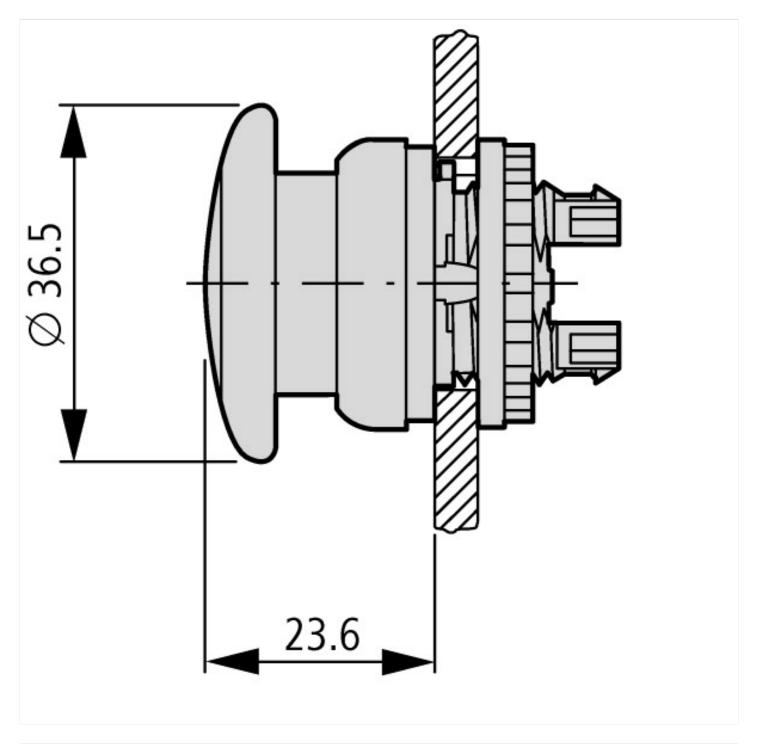
Height opening	mn	0
Degree of protection (IP)		IP67/IP69K
Degree of protection (NEMA)		4X
Type of button		Flat
Suitable for illumination		No
Switching function latching		Yes
Spring-return		Yes
With front ring		Yes
Material front ring		Plastic
Colour front ring		Black
Suitable for emergency stop		No
Unlocking method		Other

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)

IL04716002Z (AWA1160-1745) RMQ-Titan System

IL04716002Z (AWA1160-1745) RMQ-Titan System $https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2020_09.pdf$