DATASHEET - M22-D-R



Pushbutton, RMQ-Titan, Flat, momentary, red, Blank, Bezel: tita

M22-D-R



Powering Business Worldwide

Catalog No. 216594 Alternate Catalog M22-D-RQ

No.

EL-Nummer 4355602

(Norway)

Part no.



Delivery program

Product range			RMQ-Titan
Basic function			Pushbutton actuators
Mounting hole diameter	Ø	mm	22.5
Single unit/Complete unit			Single unit
Design			Flat
			momentary
Button plate			
button plate			red
Button plate			
			Blank
Degree of Protection			IP66, IP67, IP69
Front ring			Bezel: titanium
Connection to SmartWire-DT			yes with SWD-RMQ connections

Technical data

General			
Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 ⁶	> 5
Operating frequency	Operations/h	1	≦ 3600
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 GL LR
			Lloyd's Register DIV Germanischer Lloyd TYPE APPROVED

Design verification as per IEC/EN 61439

besign verification as per illo/Liv 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 h	16		Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal and fire due to internal electric effects	1		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 observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 8.0

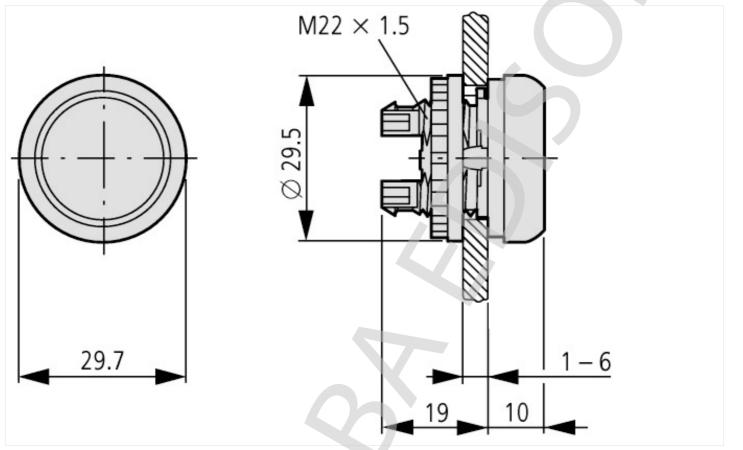
Colour button Number of command positions Construction type lens Hole diameter Midth opening Height opening Type of button Suitable for illumination With protective cover Labelled Switching function latching Spring-return Red Red Red 1 1 Round No Flat No No No No No No Switching function latching Spring-return Yes	Toommour data ETIM 0.0		
Red	Low-voltage industrial components (EG000017) / Front element for push by	utton (EC000221)	
Number of command positions Construction type lens Hole diameter Midth opening mm 0 Height opening mm 0 Type of button Suitable for illumination With protective cover Labelled Switching function latching Spring-return 1 Round Round Round Round Round Round Round No No No Spring-return 1 No No Yes	Electric engineering, automation, process control engineering / Low-voltage (ecl@ss10.0.1-27-37-12-10 [AKF028014])	e switch technology /	Command and alarm device / Front element for push-button actuators
Construction type lens Hole diameter mm 22 Width opening mm 0 Height opening mm 0 Type of button Flat Suitable for illumination With protective cover Labelled No Switching function latching Spring-return Round	Colour button		Red
Hole diameter mm 22 Width opening mm 0 Height opening mm 0 Type of button Flat Suitable for illumination No With protective cover No Labelled No Switching function latching No Spring-return Yes	Number of command positions		1
Width opening mm 0 Height opening mm 0 Type of button Flat Suitable for illumination No With protective cover No Labelled No Switching function latching No Spring-return Yes	Construction type lens		Round
Height opening mm 0 Type of button Flat Suitable for illumination No With protective cover No Labelled No Switching function latching No Spring-return Yes	Hole diameter	mm	22
Type of button Suitable for illumination With protective cover Labelled No Switching function latching Spring-return Flat No No Yes	Width opening	mm	0
Suitable for illumination No With protective cover No Labelled No Switching function latching No Spring-return No Yes	Height opening	mm	0
With protective cover No Labelled No Switching function latching No Spring-return Yes	Type of button		Flat
Labelled No Switching function latching No Spring-return Yes	Suitable for illumination		No
Switching function latching No Yes	With protective cover		No
Spring-return Yes	Labelled		No
	Switching function latching		No
Nith front ring Yes	Spring-return		Yes
	With front ring		Yes

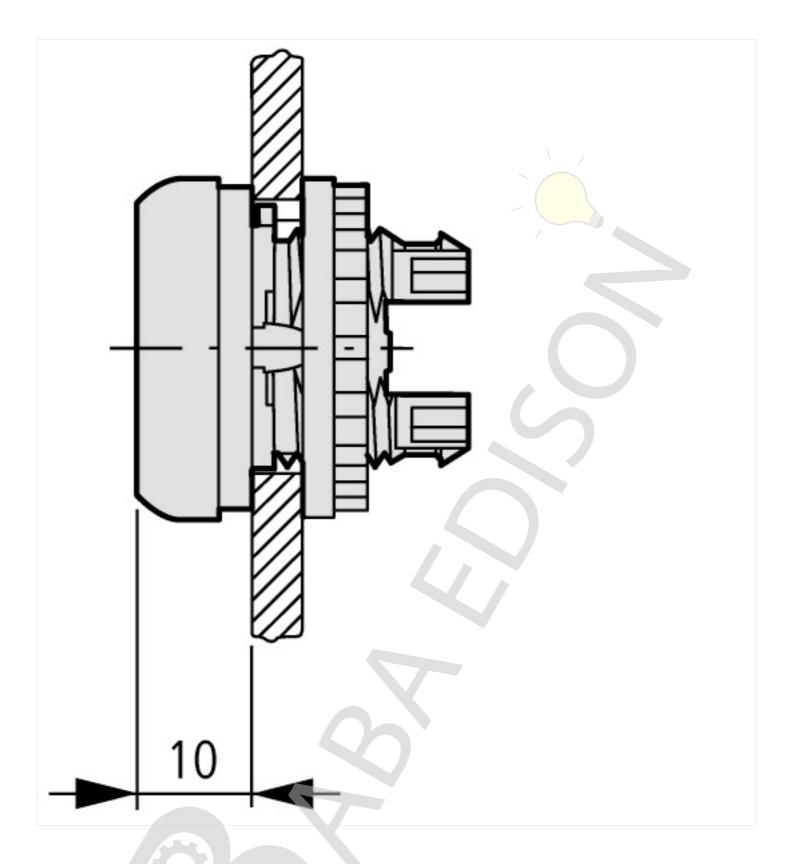
Material front ring	Plastic
Colour front ring	Chrome
Degree of protection (IP), front side	IP67/IP69K
Degree of protection (NEMA), front side	4X

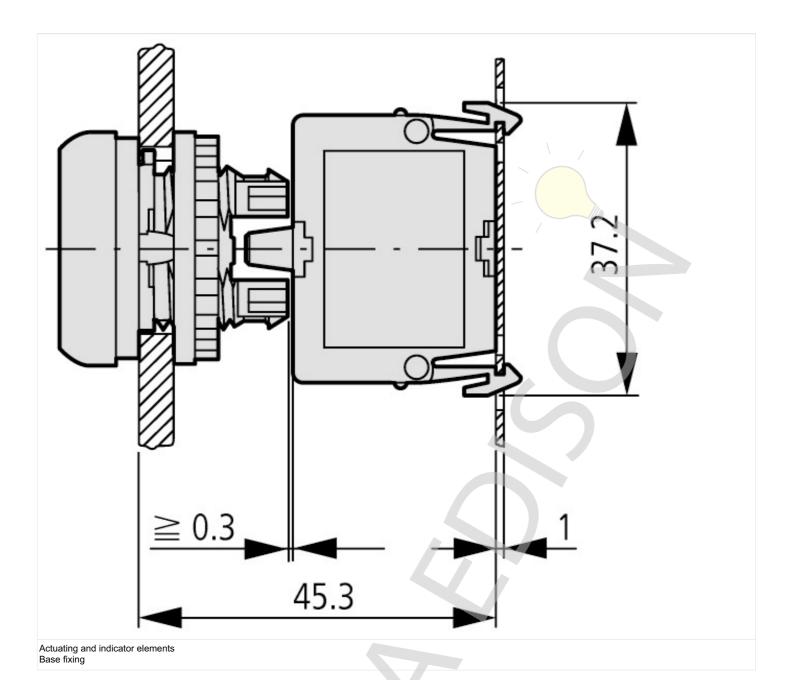
Approvals

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







05/18/2022