DATASHEET - M22S-D14-*-*



Position pushbutton, RMQ-Titan, Actuators non-flush, momentary, 4-fold, opposing pushbuttons mechanically interlocked, selectable, individual facility for inscription, Bezel: black

Powering Business Worldwide*



Part no. M22S-DI4-*-*
Catalog No. 286341
Alternate Catalog No. -

Delivery program

Delivery program			
Product range			RMQ-Titan
Basic function			Pushbuttons
Mounting hole diameter	Ø	mm	22.5
Single unit/Complete unit			Single unit
Design			Actuators non-flush
			momentary
Description			4-fold opposing pushbuttons mechanically interlocked
Button plate			
button plate			selectable
			individual facility for inscription
Degree of Protection			IP66
Front ring			Bezel: black
Connection to SmartWire-DT			yes with SWD-RMQ connections

Technical data

General

Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 ⁶	> 0.2
Operating frequency	Operations/h		≦ 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
Ambient temperature			
Open		°C	-25 - +70
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

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. $\label{eq:constraint}$
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 push button (EC000221)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss10.0.1-27-37-12-10 [AKF028014])

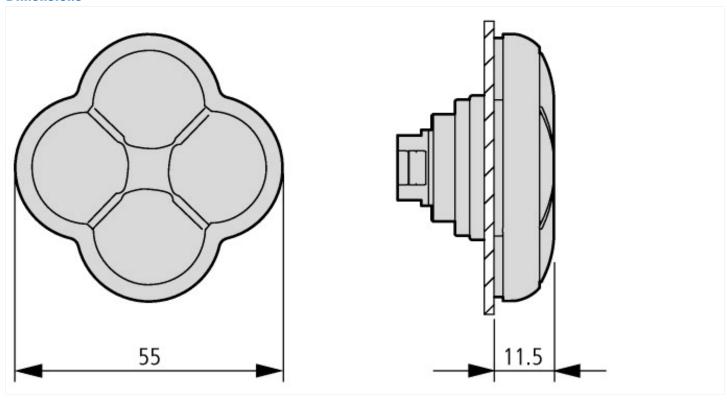
Colour button

Other

Number of command positions Construction type lens Hole diameter Width opening Height opening Type of button Suitable for illumination With protective cover Switching function latching Switching function latching Spring-return With front ring Material front ring Colour front ring Degree of protection (NEMA), front side Material Forts Le Suitable (NEMA), front side Material Font Edited Material Font Side Material Font Side	Colour button		Uther
Hole diameter mm 22.5 Width opening mm 0 Height opening 0 Type of button Flat Suitable for illumination No With protective cover No Labelled Yes Switching function latching No Spring-return Yes With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side	Number of command positions		4
Width openingmm0Height openingmm0Type of buttonFlatSuitable for illuminationNoWith protective coverNoLabelledYesSwitching function latchingNoSpring-returnYesWith front ringYesMaterial front ringYesColour front ringPlasticColour front ringBlackDegree of protection (IP), front sideIP66	Construction type lens		Round
Height opening mm 0 Type of button Flat Suitable for illumination No With protective cover Labelled Yes Switching function latching No Spring-return Yes Material front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side Imm No Imm 0 Flat Flat No No Voe No Yes No Yes Plastic Plastic Black Degree of protection (IP), front side	Hole diameter	mm	22.5
Type of button Suitable for illumination No With protective cover No Labelled Yes Switching function latching Spring-return With front ring Material front ring Colour front ring Degree of protection (IP), front side Flat No Flat No No Plastic Flat No No No Plastic Plastic Plastic Plastic Plastic Plastic Plastic Plastic Plastic	Width opening	mm	0
Suitable for illumination No With protective cover No Labelled Yes Switching function latching No Spring-return Yes With front ring Material front ring Colour front ring Degree of protection (IP), front side No No Res No Plastic Degree of protection (IP), front side No No Plastic Plastic Plastic Plastic Plastic	Height opening	mm	0
With protective cover Labelled Yes Switching function latching No Spring-return Yes With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side	Type of button		Flat
Labelled Yes Switching function latching No Spring-return Yes With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side Yes Test Plastic Plastic Plastic Plastic	Suitable for illumination		No
Switching function latching Spring-return Yes With front ring Material front ring Colour front ring Black Degree of protection (IP), front side No Yes Yes Hastic Plastic Black IP66	With protective cover		No
Spring-return Yes With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side Plastic IP66	Labelled		Yes
With front ring Material front ring Colour front ring Degree of protection (IP), front side Yes Plastic Black IP66	Switching function latching		No
Material front ring Plastic Colour front ring Black Degree of protection (IP), front side IP66	Spring-return		Yes
Colour front ring Black Degree of protection (IP), front side IP66	With front ring		Yes
Degree of protection (IP), front side	Material front ring		Plastic
	Colour front ring		Black
Degree of protection (NEMA), front side 4X	Degree of protection (IP), front side		IP66
	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



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			
RMQ-Titan symbol code	http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_1168307.pdf			