DATASHEET - M22-DR-B

Pushbutton, RMQ-Titan, Flat, maintained, Blue, Blank, Bezel: titanium



Part no.	M22-DR-B
Catalog No.	216623
Alternate Catalog	M22-DR-BQ
No.	
EL-Nummer	4355610
(Norway)	

Delivery program

Basic function Basic function Mounting hole diameter Mounting hole diameter Single unit/Complete unit Design Button plate button plate Degree of Protection Front ring Connection to SmartWire-DT				
Mounting hole diameter Single unit/Complete unit Single unit/Complete unit Single unit/Complete unit Single unit Sing	Product range			RMQ-Titan
Single unit/Complete unit Single unit Design Flat Button plate mintained button plate Single unit Design Single unit button plate Single unit Design Single unit button plate Single unit Degree of Protection Single unit Front ring Single unit Connection to SmartWire-DT Single unit Single unit	Basic function			Pushbutton actuators
Design Flat Button plate mintained button plate Blue Degree of Protection Blue Front ring Fod Connection to SmartWire-DT Image: State S	Mounting hole diameter	Ø	mm	22.5
Image: Section of the section of t	Single unit/Complete unit			Single unit
Button plate Image: Plate button plate Blue button plate Blue Degree of Protection P66, IP67, IP69 Front ring Bezel: ttanium Connection to SmartWire-DT Image: SWD-RMQ connections	Design			Flat
button plate Blue button plate Blak Degree of Protection P66, IP67, IP69 Front ring Bezel: ttanium Connection to SmartWire-DT Ves with SWD-RMQ connections				maintained
Image: Protection Image: Protection Blank Degree of Protection Image: Protection Image: Protection Front ring Image: Protection Bezel: titanium Connection to SmartWire-DT Image: Protection Yes with SWD-RMQ connections	Button plate			
Degree of Protection IP66, IP67, IP69 Front ring Bezel: titanium Connection to SmartWire-DT Yes with SWD-RMQ connections	button plate			Blue
Front ring Bezel: titanium Connection to SmartWire-DT Yes with SWD-RMQ connections				Blank
Connection to SmartWire-DT yes with SWD-RMQ connections	Degree of Protection			IP66, IP67, IP69
with SWD-RMQ connections	Front ring			Bezel: titanium
Instructions Stay-put/spring-return function can be changed on device	Connection to SmartWire-DT			
	Instructions			Stay-put/spring-return function can be changed on device

Technical data

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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 GL LR

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	А	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 8.0

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])

Clour button Blue Number of command positions 1 Construction type lens Round Hole diameter Round Width opening mm Height opening mm Height opening Mmm Stable for illumination Flat Vidth protective cover No Labelled No Switching function latching Yes Spring-return Yes Material front ring Pastic Colour front ring Pastic Degree of protection (IP), front side Pastic Degree of protection (IVEMAL front side Pastic			
Construction type lensImage: RoundRoundHole diametermm22.5Width openingmm0Height openingmm0Type of buttonmmFlatSuitable for illuminationMmFlatWith protective coverMmNoLabelledNoNoSyring-returnMmSecWith front ringMmSecMaterial front ringMmSecColour front ringMmSecDegree of protection (IP), front sideMmSecMaterial front ringMmSecDegree of protection (IP), front sideMmSecMaterial front ringMmSecDegree of protection (IP), front sideMmMaterial front ringMmDegree of protection (IP), front sideMmMaterial front ringMmDegree of protection (IP), front sideMmMaterial front ringMmDegree of protection (IP), front sideMm	Colour button		Blue
Hole diametermm2.5Width openingmm0Height openingmm0Type of buttonMmFlatSuitable for illuminationMmFlatWith protective coverMmNoLabelledNoMmSyring-returnMmSecondWith front ringMmNoMaterial front ringMmNoColour front ringMmSecondDegree of protection (IP), front sideMmSecondMaterial front ringMmSecondDegree of protection (IP), front sideMmSecondMaterial front ringMmSecondDegree of protection (IP), front sideMmSecondMaterial front ringMmSecondMaterial front ringMmSecondDegree of protection (IP), front sideMmMaterial front ringMmMaterial front ringMm <td>Number of command positions</td> <td></td> <td>1</td>	Number of command positions		1
Width openingmm0Height openingmm0Type of buttonmmFatSuitable for illuminationMMFatWith protective coverMMNoLabelledNoMMSwitching function latchingMMYesSpring-returnMGMWith front ringMMYesMaterial front ringMMPlasticColour front ringMMPlasticDegree of protection (IP), front sideMMPlastic	Construction type lens		Round
Height opening0Height openingFlatType of buttonFlatSuitable for illuminationNoWith protective coverNoLabelledNoSwitching function latchingSeaSpring-returnYesWith front ringYesMaterial front ringPlasticColour front ringChomeDegree of protection (IP), front sideFlort	Hole diameter	mm	22.5
Type of buttonFlatSuitable for illuminationImage: Sector Secto	Width opening	mm	0
Suitable for illumination No With protective cover No Labelled No Switching function latching See Spring-return Yes With front ring Yes Material front ring Yes Colour front ring Yes Degree of protection (IP), front side Image: Section (IP), front side	Height opening	mm	0
With protective coverNoLabelledNoSwitching function latchingMoSpring-returnYesWith front ringNoMaterial front ringYesColour front ringYesDegree of protection (IP), front sideImage: Spring-return	Type of button		Flat
LabelledNoSwitching function latchingYesSpring-returnNoWith front ringYesMaterial front ringYesColour front ringPlasticDegree of protection (IP), front sideImage: Spring - Material front ring	Suitable for illumination		No
Switching function latchingYesSpring-returnNoWith front ringYesMaterial front ringYesColour front ringYesDegree of protection (IP), front sideYes	With protective cover		No
Spring-return No With front ring Yes Material front ring Plastic Colour front ring Chrome Degree of protection (IP), front side IP67/IP69K	Labelled		No
With front ring Yes Material front ring Plastic Colour front ring Chrome Degree of protection (IP), front side IP67/IP69K	Switching function latching		Yes
Material front ring Plastic Colour front ring Chrome Degree of protection (IP), front side IP67/IP69K	Spring-return		No
Colour front ring Chrome Degree of protection (IP), front side IP67/IP69K	With front ring		Yes
Degree of protection (IP), front side	Material front ring		Plastic
	Colour front ring		Chrome
Degree of protection (NEMA), front side	Degree of protection (IP), front side		IP67/IP69K
	Degree of protection (NEMA), front side		4X