Illuminated pushbutton actuator, RMQ-Titan, Flush, momentary, Without button plate, Bezel: titanium



Part no. M22-DL-X Catalog No. 216933 Alternate Catalog M22-DL-XQ

No.

EL-Nummer 4355641

(Norway)



Delivery program

Product range			RMQ-Titan
Basic function			Illuminated pushbutton actuators
Mounting hole diameter	Ø	mm	22.5
Single unit/Complete unit			Single unit
Design			Flush
			momentary
Button plate			
button plate			Without button plate
Degree of Protection			IP66, IP67, IP69
Front ring			Bezel: titanium
Connection to SmartWire-DT			yes with SWD-RMQ connections

Technical data

General

20110141			
Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 ⁶	>5
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, IP67, IP69
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

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.

observed.		
and fire due to internal electric effects 10.24 Resistance to ultra-violet (UV) radiation 10.25 Lifting 10.26 Mechanical impact 10.27 Inscriptions 10.27 Inscriptions 10.28 Mechanical impact 10.29 Inscriptions 10.29 Inscriptions 10.29 Power-frequency electric strength 10.29 Power-frequency electric strength 10.29 Power-frequency electric strength 10.29 Power-frequency electric strength 10.29 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Please enquire Please enquire Please enquire Please enquire Please enquire Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. It is the panel builder's responsibility. The specifications for the switchgear must be observed. In the device meets the requirements, provided the information in the instruction.	10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.5 Lifting 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Electromagnetic compatibility 10.16 Incorporation of switching devices and components 10.16 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Is the panel builder's responsibility. 10.9 Insulation properties 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.15 Mechanical function 10.16 Meets the entire switchgear needs to be evaluated. 10.17 Meets the product standard's requirements. 10.18 Does not apply, since the entire switchgear needs to be evaluated. 10.19 Meets the product standard's requirements. 10.19 Insulation of switchingear needs to be evaluated. 10.19 Insulation of switchingear needs to be evaluated. 10.10 Temperature rise 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function		Meets the product standard's requirements.
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	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.13 Mechanical function	

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])		
Colour button		Without button plate
Number of command positions		1
Construction type lens		Round
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0
Type of button		Flat
Suitable for illumination		Yes
With protective cover		No
Labelled		No
Switching function latching		No
Spring-return		Yes
With front ring		Yes
Material front ring		Plastic
Colour front ring		Titanium
Degree of protection (IP), front side		IP67/IP69K
Degree of protection (NEMA), front side		4X