

Pushbutton, RMQ-Titan, Enclosure, momentary, 1 NC, 1 N/O, red, inscribed, Bezel: titanium

Part no. M22-D-R-X0/KC11/I
Catalog No. 216521
Alternate Catalog No. M22-D-R-X0-KC11-IQ
EL-Nummer (Norway) 4355294

Delivery program

Product range		RMQ-Titan
Basic function		Pushbutton actuators
Mounting hole diameter	Ø	mm 22.5
Single unit/Complete unit		Complete unit
Design		Enclosure momentary
Connection type		Screw connection
Number of locations	Qty.	1
Colour		
Enclosure covers		Grey
RAL Value		RAL 7035
		light grey, RAL 7035
Button plate		
button plate		red inscribed
Degree of Protection		IP66, IP67, IP69
Front ring		Bezel: titanium
Connection to SmartWire-DT		no
Contacts		
N/C = Normally closed		1 NC 
N/O = Normally open		1 N/O
Notes		 = safety function, by positive opening to IEC/EN 60947-5-1
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1		
	mm	4.8
Maximum travel	mm	5.7
Minimum force for positive opening	N	20

Technical data

General			
Standards		IEC/EN 60947 VDE 0660	
Lifespan, mechanical	Operations $\times 10^6$	> 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	
Mounting position		As required	
Mechanical shock resistance	g	30 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27	

Cable entry knockouts			
Base	Quantity x M...	2 x 16	
Sides	Quantity x M...	1 x 20 2 x 25/20	
shipping classification		DNV GL LR	

Contacts

Rated conditional short-circuit current	I_q	kA	1
---	-------	----	---

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	6
Heat dissipation per pole, current-dependent	P_{vid}	W	0.11
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			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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) / Control circuit devices combination in enclosure (EC000225)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Command and alarm device combination in housing (ecl@ss10.0.1-27-37-12-16 [AKF034014])		
Number of command positions		1
Number of push buttons		1
Number of indicator lights		0
Number of key switches		0
Number of selector switches		0

Number of mushroom-shaped push-buttons		0
Suitable for emergency stop		No
Rated control supply voltage Us at AC 50HZ	V	115 - 500
Rated control supply voltage Us at AC 60HZ	V	115 - 500
Rated control supply voltage Us at DC	V	24 - 220
Colour housing cover		Grey
Material housing		Plastic
Number of contacts as normally open contact		1
Number of contacts as normally closed contact		1
Number of contacts as change-over contact		0
Degree of protection (IP)		IP67/IP69K
Degree of protection (NEMA)		4X, 13