DATASHEET - M22S-WRK



Changeover switch, RMQ-Titan, With thumb-grip, maintained, 2 positions, Bezel: black $\,$



6

Part no. M22S-WRK
Catalog No. 216869
Alternate Catalog M22S-WRKQ

Delivery program

Donvory program			
Product range			RMQ-Titan
Basic function			Selector switch actuators
Mounting hole diameter	Ø	mm	22.5
Single unit/Complete unit			Single unit
Design			With thumb-grip
			maintained
Function:			
			№ 60°
			2 positions
Degree of Protection			IP66
Front ring			Bezel: black
Connection to SmartWire-DT			yes with SWD-RMQ connections
Instructions			Stay-put/spring-return function, can be changed with coding parts M22-XC-Y

Technical data

General

Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 ⁶	> 0.1
Operating frequency	Operations/h		≦ 2000
Operating torque		Nm	≦ 0.3
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
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

Indoor and protected outdoor installation

Technical data for design verification

Rated operational current for specified heat dissipation Heat dissipation per pole, current-dependent Pvid W 0 Equipment heat dissipation, current-dependent Pvid W 0 Static heat dissipation, non-current-dependent Pvs W 0 Heat dissipation capacity Pdiss W 0 Operating ambient temperature min. C Operating ambient temperature max. C TO IEC/EN 61439 design verification	
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	
Static heat dissipation, non-current-dependent Pvs W 0 Heat dissipation capacity Pdiss W 0 Operating ambient temperature min. °C -25 Operating ambient temperature max. °C 70 IEC/EN 61439 design verification	
Heat dissipation capacity P _{diss} W 0 Operating ambient temperature min. °C 70 IEC/EN 61439 design verification	
Operating ambient temperature min. °C -25 Operating ambient temperature max. °C 70 IEC/EN 61439 design verification	
Operating ambient temperature max. C 70 IEC/EN 61439 design verification	
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	
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 switchge observed.	ar must be
10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchge observed.	ar must be
10.13 Mechanical function The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.	ruction

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Front element for selector switch (EC000222)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ecl@ss10.0.1-27-37-12-13 [AKF031014])

Type of control element Suitable for illumination Colour control element Colour indicator light cap Construction type lens Hole diameter Width opening Height opening Switching function latching Spring-return Width front ring Material front ring Colour front ring Colour front ring Colour front ring Colour front cing Colour front side Toggle No Other Round Round Other Round Ot	[AKI 001014])		
Suitable for illumination Colour control element Colour indicator light cap Construction type lens Hole diameter Width opening Height opening Material front ring Material front ring Colour front ring Degree of protection (IP), front side Black Other Round Round Other Round Other Round With 7 Round No Yes No Yes Plastic Black IP66	Number of switch positions		2
Colour control element Colour indicator light cap Construction type lens Hole diameter mm 22.5 Width opening mm 0 Switching function latching Spring-return With front ring Material front ring Colour front ring Colour front ring Degree of protection (IP), front side Black Other Cother Cother Contend Colour front control element Relack Other Contend Colour front control element Relack Other Colour front co	Type of control element		Toggle
Colour indicator light cap Construction type lens Hole diameter mm 22.5 Width opening mm 0 Height opening mm 0 Switching function latching Spring-return With front ring Material front ring Colour front ring Degree of protection (IP), front side Width capenals Round No Ves Yes Yes Plastic Black IP66	Suitable for illumination		No
Construction type lens Round Hole diameter mm 22.5 Width opening mm 0 Height opening mm 0 Switching function latching Spring-return With front ring Material front ring Colour front ring Colour front ring Degree of protection (IP), front side Round Round Round Round Round Pastic Plastic I P66	Colour control element		Black
Hole diameter Mm 22.5 Width opening	Colour indicator light cap		Other
Width openingmm0Height openingmm0Switching function latchingYesSpring-returnNoWith front ringYesMaterial front ringPlasticColour front ringBlackDegree of protection (IP), front sideIP66	Construction type lens		Round
Height opening mm 0 Switching function latching Yes Spring-return No With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side IP66	Hole diameter	mm	22.5
Switching function latching Yes Spring-return No With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side IP66	Width opening	mm	0
Spring-return No With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side IP66	Height opening	mm	0
With front ring Waterial front ring Material front ring Plastic Colour front ring Black Degree of protection (IP), front side IP66	Switching function latching		Yes
Material front ring Plastic Colour front ring Black Degree of protection (IP), front side IP66	Spring-return Spring-return		No
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) 4X	Degree of protection (IP), front side		IP66
	Degree of protection (NEMA)		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



