### DATASHEET - M22-WRS-MS2



Key-operated actuator, maintained, 2 positions, MS2, Key withdrawable: 0, I, Bezel: titanium



Part no.M22-WRS-MS2Catalog No.111778Alternate CatalogM22-WRS-MS2QNo.No.

#### **Delivery program**

Basic function Basic				
Mounting hole diameter         Ø         mm         2.5           Single unit/Complete unit         Single unit/Complete unit         Single unit         Key operated           Design         Key operated         Key operated         Maintained           Function:         Key operated         Key operated         Maintained           Function:         Key operated         Key operated         Key operated           Lock mechanism         Key withdrawable in position         Key withdrawable in	Product range			RMQ-Titan
Single unit/Complete unit       Single unit         Design       Single unit         Design       Key operated         Function:       Image: Single unit         Function:       Image: Single unit         Function:       Image: Single unit         Component of the single unit       Image: Single unit         Function:       Image: Single unit         Component of the single unit       Image: Single unit         Component of the single unit of the sing	Basic function			Key-operated buttons
Design       Key operated         Function:       Maintained         Function:       Function:         Function:       Function:         Function:       Function:         Function:       Function:         Functing       Function:	Mounting hole diameter	Ø	mm	22.5
Function:       maintained         Function:       maintained         Function:       maintained         Image: State Stat	Single unit/Complete unit			Single unit
Function:       Image: Second Se	Design			Key operated
Image: A construction of the second of th				maintained
Instructions       Not suitable for master key systems         Lock mechanism       2 positions         Key withdrawable in position       MS2         Image: Construction of the position       0         Image: Construction of the position       1         Degree of Protection       P66         Front ring       Bezel: titanium         Connection to SmartWire-DT       Yes with SWD-RMQ connections         Instructions       Say-put/spring-return function, can be changed with coding parts M22-XC	Function:			
Lock mechanism       2 positions         Key withdrawable in position       MS2         Consection       0         Pogree of Protection       1         Front ring       1966         Connection to SmartWire-DT       Sezel: itanium         Instructions       Stay-put/spring-return function, can be changed with coding parts M22-XC-Y key withdraw convertible with coding adapters M22-XC				•** 60°
Lock mechanism       MS2         Key withdrawable in position       MS2         Image: Construction       Image: Construction         Pegree of Protection       MS2         Front ring       MS2         Connection to SmartWire-DT       MS2         Instructions       Yes         Withdraw convertible with coding adapters M22-XC				Not suitable for master key systems
Key withdrawable in position       Key withdrawable in position         Key withdrawable in position       I         Image: I				2 positions
Image: Protection     Image: Protection       Front ring     Image: Protection       Connection to SmartWire-DT     Image: Protection       Instructions     Image: Protection	Lock mechanism			MS2
Image: bit with structionsImage: bit with structionsImage: bit with structionsInstructionsImage: bit with structionsImage: bit with structuresImage: bit with structures	Key withdrawable in position			
Front ring     Bezel: titanium       Connection to SmartWire-DT     yes with SWD-RMQ connections       Instructions     Stay-put/spring-return function, can be changed with coding parts M22-XC-Y Key withdraw convertible with coding adapters M22-XC				0
Front ring     Bezel: titanium       Connection to SmartWire-DT     yes with SWD-RMQ connections       Instructions     Stay-put/spring-return function, can be changed with coding parts M22-XC-Y Key withdraw convertible with coding adapters M22-XC				1
Connection to SmartWire-DT       yes with SWD-RMQ connections         Instructions       Stay-put/spring-return function, can be changed with coding parts M22-XC-Y Key withdraw convertible with coding adapters M22-XC	Degree of Protection			IP66
Instructions     Stay-put/spring-return function, can be changed with coding parts M22-XC-Y       Key withdraw convertible with coding adapters M22-XC	Front ring			Bezel: titanium
Key withdraw convertible with coding adapters M22-XC	Connection to SmartWire-DT			
Information about equipment supplied With 1 key	Instructions			
	Information about equipment supplied			With 1 key

# Technical data

General			
Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	> 0.1
Operating frequency	Operations/h		≦ 100
Operating torque		Nm	≦ 0.5
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



## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I <sub>n</sub>	А	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Heat dissipation capacity	P <sub>diss</sub>	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 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])

Number of switch positions	2
Type of control element	Кеу
Suitable for illumination	No
Colour control element	Black
Colour indicator light cap	Other
Construction type lens	Round

Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0
Switching function latching		Yes
Spring-return		No
With front ring		Yes
Material front ring		Plastic
Colour front ring		Other
Degree of protection (IP), front side		IP66
Degree of protection (NEMA)		4X

# **Approvals**

- pp	
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

