#### **DATASHEET - M22-WRS-MS5-A1**



Key-operated actuator, maintained, 2 positions, MS5, Key withdrawable: 0, Bezel: titanium



Part no. M22-WRS-MS5-A1
Catalog No. 111786
Alternate Catalog M22-WRS-MS5-A10
No.

**Delivery program** 

Product range Basic function  Mounting hole diameter	Delivery program			
Mounting hole diameter  Single unit/Complete unit  Design  Function:  Function:  Lock mechanism  Key withdrawable in position  Degree of Protection  Degree of Protection  Front ring  Connection to SmartWire-DT  Instructions  Instructions  mm 22.5  Single unit  Key operated  maintained  Key operated  maintained  Not suitable for master key systems  2 positions  MS5  MS5  Degree of Protection  Degree of Protection  Front ring  Connection to SmartWire-DT  Instructions  Stay-put/spring-return function, can be changed with coding parts M22-XC-Y Key withdraw convertible with coding adapters M22-XC	Product range			RMQ-Titan
Single unit/Complete unit  Design  Key operated maintained  Function:  Function:  Formal of the properties of the proper	Basic function			Key-operated buttons
Design  Key operated  maintained  Function:	Mounting hole diameter	Ø	mm	22.5
Function:    Function:   Funct	Single unit/Complete unit			Single unit
Function:    Function:   Funct	Design			Key operated
Not suitable for master key systems  2 positions  Lock mechanism  MS5  Key withdrawable in position  0  Degree of Protection  Front ring  Connection to SmartWire-DT  Instructions  Stay-put/spring-return function, can be changed with coding parts M22-XC-Y Key withdraw convertible with coding adapters M22-XC				maintained
Not suitable for master key systems  2 positions  Lock mechanism  MS5  Key withdrawable in position  0  Degree of Protection  IP66  Front ring  Connection to SmartWire-DT  yes with SWD-RMQ connections  Instructions  Not suitable for master key systems  2 positions  MS5   MS5  Exp-quivispring-return function, can be changed with coding parts M22-XC-Y Key withdraw convertible with coding adapters M22-XC	Function:			
2 positions  Lock mechanism  MS5  Key withdrawable in position  0  Degree of Protection  Front ring  Connection to SmartWire-DT  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  Key withdrawable in position  0  Degree of Protection 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				Not suitable for master key systems
Key withdrawable in position  0  Degree of Protection  IP66  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				2 positions
Degree of Protection IP66 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	Lock mechanism			MS5
Degree of Protection  IP66  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	Key withdrawable in position			
Front ring  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
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
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	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

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
			Lloyd's Register

Design verification as per	<b>IEC/EN 61439</b>
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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 <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 $\frac{1}{2} = \frac{1}{2} \left( \frac{1}{2} + \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \right) \left( \frac{1}{2} + \frac{1}$			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 switch gear must be observed. $\label{eq:constraint}$
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:specifications}$
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. $\label{eq:continuous}$

### **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  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  With front ring  Material front ring  Colour front ring  Key  Key  Key  Key  Key  Key  No  Other  Controllement  No  Wes  Plastic  Colour front ring  Colour front ring  Colour front ring  Key  No  No  Ves  Plastic  Other	
Suitable for illumination  Colour control element  Colour indicator light cap  Construction type lens  Hole diameter  Width opening  Height opening  Switching function latching  Spring-return  With front ring  Material front ring  No  Black  Other  Round  Round  Round  Round  Round  Plastic	
Colour control element Colour indicator light cap Construction type lens Hole diameter Width opening Height opening Switching function latching Spring-return With front ring Material front ring Black Other Contended Round Round Mm 22.5 Wind Mm 0  Yes No Yes Plastic	
Colour indicator light cap  Construction type lens  Hole diameter  Width opening  Height opening  Mm  O  Switching function latching  Spring-return  With front ring  Material front ring  Other  Round  mm  O  Plastic	
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  Round  Round  Round  Round  No  Yes  Plastic	
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	
Width opening mm 0  Height opening mm 0  Switching function latching Yes  Spring-return No  With front ring Yes  Material front ring Plastic	
Height opening mm 0  Switching function latching Yes  Spring-return No  With front ring Yes  Material front ring Plastic	
Switching function latching  Spring-return  No  With front ring  Material front ring  Plastic	
Spring-return No With front ring Yes Material front ring Plastic	
With front ring Yes  Material front ring Plastic	
Material front ring Plastic	
Colour front ring	
Colour front ring	
Degree of protection (IP), front side	

## **Approvals**

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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**

