### **DATASHEET - M22-WRK**



Changeover switch, RMQ-Titan, With thumb-grip, maintained, 2 positions, Bezel: titanium  ${\bf P}_{\bf p}$ 

Powering Business Worldwide\*

**6** 

Part no. M22-WRK Catalog No. 216867 Alternate Catalog M22-WRKQ

No.

**EL-Nummer** 4355317

(Norway)

### **Delivery program**

Basic function  Mounting hole diameter  Single unit/Complete unit  Design  With thumb-grip maintained  Function:  Profession  Degree of Protection  Front ring  Connection to SmartWire-DT  Selector switch actuators  mm  22.5  Single unit With thumb-grip maintained  Vith thumb-grip  maintained  Profession  Profession  Profession  Selector switch actuators  Included  22.5  With thumb-grip maintained  Profession  Profession  Profession  Included	Zonion, program			
Mounting hole diameter  Single unit/Complete unit  Design  With thumb-grip  maintained  Function:  Page 60°  2 positions  Degree of Protection  Front ring  Connection to SmartWire-DT  mm  22.5  Single unit  With thumb-grip  maintained  2 positions  1 P66  Bezel: titanium  yes with SWD-RMQ connections	Product range			RMQ-Titan
Single unit/Complete unit  Design  With thumb-grip  maintained  Function:  Poor  2 positions  Degree of Protection  Front ring  Connection to SmartWire-DT  Single unit  With thumb-grip  maintained  With thumb-grip  maintained  Poor  Poor  Poor  2 positions  Poor  Bezel: titanium  yes  with SWD-RMQ connections	Basic function			Selector switch actuators
Design  With thumb-grip  maintained  Function:  Function:  Profice 60°  2 positions  Degree of Protection  Profit ring  Connection to SmartWire-DT  With thumb-grip  maintained  Profice  maintained  Profice  maintained  Profice  maintained  Profice  positions  Profice  positions  Profice  profit ring  push  push	Mounting hole diameter	Ø	mm	22.5
Function:  maintained  profession:  professi	Single unit/Complete unit			Single unit
Function:    Function:   Funct	Design			With thumb-grip
Legree of Protection Degree of Protection Pront ring Connection to SmartWire-DT Pront ring Pront ri				maintained
2 positions  Degree of Protection  IP66  Front ring  Connection to SmartWire-DT  yes with SWD-RMQ connections	Function:			
Degree of Protection IP66 Front ring Bezel: titanium Connection to SmartWire-DT yes with SWD-RMQ connections				₽ 60°
Front ring  Bezel: titanium  yes with SWD-RMQ connections				2 positions
Connection to SmartWire-DT yes with SWD-RMQ connections	Degree of Protection			IP66
with SWD-RMQ connections	Front ring			Bezel: titanium
Instructions Stay-put/spring-return function, can be changed with coding parts M22-XC-Y	Connection to SmartWire-DT			
	Instructions			Stay-put/spring-return function, can be changed with coding parts M22-XC-Y

## Technical data

Indoor and protected outdoor installation

#### General

General			
Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	> 0.1
Operating frequency	Operations/h		≦ 2000
Operating torque (screw terminals)		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

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.
$10.2.3.3\mbox{Verification}$ 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 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. $\label{eq:constraint}$
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 Type of control element Suitable for illumination Solitable 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 Material front ring Colour font control element  2 2 5  Width opening Mm  3 0  Mm  4 98  Yes  No  Wes  Material front ring Material front ring Colour front ring Degree of protection (IP), front side	[AKF031014])		
Suitable for illumination Colour control element Colour indicator light cap Construction type lens Hole diameter Width opening Mitching function latching Spring-return With front ring Material front ring Colour front ring Mo Black Cother Control Black Round Passon  Mm  0  Ves  Yes  Plastic Colour front ring Cother	Number of switch positions		2
Colour control element Colour indicator light cap Construction type lens Hole diameter Width opening Mmm 0 Switching function latching Spring-return With front ring Material front ring Colour front ring Black Other Other  Round  Round  Mm 0  22.5  No  Material front ring Plastic Colour front ring Other	Type of control element		Toggle
Colour indicator light cap  Construction type lens  Hole diameter  Midth opening  Midth opening  Mim  Midth opening  Min  Midth opening  Midt	Suitable for illumination		No
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  Round  Round  Round  Round  Round  Plastic  Other	Colour control element		Black
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	Colour indicator light cap		Other
Width openingmm0Height openingmm0Switching function latchingYesSpring-returnNoWith front ringYesMaterial front ringPlasticColour front ringOther	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 Other	Hole diameter	mm	22.5
Switching function latching Yes  Spring-return No With front ring Yes  Material front ring Plastic Colour front ring Other	Width opening	mm	0
Spring-return  No  With front ring  Yes  Material front ring  Colour front ring  Other	Height opening	mm	0
With front ring Yes  Material front ring Plastic Colour front ring Other	Switching function latching		Yes
Material front ring Plastic Colour front ring Other	Spring-return		No
Colour front ring Other	With front ring		Yes
	Material front ring		Plastic
Degree of protection (IP), front side	Colour front ring		Other
	Degree of protection (IP), front side		IP66

### **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**



