#### **DATASHEET - M22S-WR-\***



Changeover switch, RMQ-Titan, With rotary head, maintained, 2 positions, individual facility for inscription, Bezel: black

Powering Business Worldwide\*

**6** 

Part no. M22S-WR-\* Catalog No. 226837 Alternate Catalog -

**Delivery program** 

roduct range	RMQ-Titan
asic function	Selector switch actuators
ingle unit/Complete unit	Single unit
esign	With rotary head
	maintained
unction:	
	<b>₽</b> 60°
	2 positions
Button plate	
	individual facility for inscription
egree of Protection	IP66
ront ring	Bezel: black
onnection to SmartWire-DT	yes with SWD-RMQ connections
ront dimensions	29,7
nstructions	Stay-put/spring-return function, can be changed with coding parts M22-XC-Y
rdering information	Notes on customized inscription $\rightarrow$ Data sheet, additional product information (links)
egree of Protection ront ring onnection to SmartWire-DT ront dimensions	2 positions  individual facility for inscription  IP66  Bezel: black  yes with SWD-RMQ connections  29,7  Stay-put/spring-return function, can be changed with coding parts M22-X  Notes on customized inscription → Data sheet, additional product informa

# **Technical data**

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
			Q Q





Indoor and protected outdoor installation

Design verification as per IEC/EN 6143	D	esign	verification	as pe	er IEC	/EN	61439
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Technical data for design verification  Rated operational current for specified heat dissipation  Part of Media dissipation op pole, current-dependent  Part of Media dissipation, porturent-dependent  Part of Media dissipation, current-dependent  Part of West of Depending and Media dissipation, non-current-dependent  Part of Media dissipation, non-current-dependent  Part of West of Media dissipation, current dependent  Part of West dissipation, current dependent  Part of West dissipation, cupacity  Part of West dissipation, cupacity  Part of West dissipation operation of Depending ambient temperature min.  Operating ambient temperature max.  EVEKI 16133 design verification  10.2 Stength of materials and parts  10.2.2 Stength of institution metal stability of enclosures  10.2.2.3 Verification of resistance or insulating materials to normal heat of the dust infarral electric effects  10.2.3 Verification of resistance or insulating materials to normal heat of the dust infarral electric effects  10.2.3 Perfection of resistance or insulating materials to obnormal heat of the dust infarral electric effects  10.2.5 Exceptions  10.3.5 Exception of exceptions  10.3.5 Exception of exceptions of exce				
Heat dissipation per pole, current-dependent Prod W 0  Equipment heat dissipation, current-dependent Prod W 0  State heat dissipation, current-dependent Prod W 0  State heat dissipation capacity Prod W 0  Heat dissipation capacity Prod W 0  Deverating an bient temperature min.  Doerating an bient temperature max.  Por 70  IEC/EN 18/83 design verification  10.2 Strength of materials and parts  10.2 Strength of materials and parts  10.2 Strength of materials and parts  10.2.3 Verification of thermal stability of enclosures  10.2.3.1 Verification of esistance of insulating materials to normal heat and fire due to internal electric electrics  10.2.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric electrics  10.2.4 Resistance to ultra-violet (LIV) radiation  10.2 Strength of materials enter the product standard's requirements.  Meets the product standard's requirements.  10.2 Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  In the panel builder's responsibility.  Is the panel builder's responsibility. The specifications for the switchgear must be observe	Technical data for design verification			
Equipment host dissipation, current-dependent P <sub>vd</sub> W 0 Static heat dissipation, non-current-dependent P <sub>vd</sub> W 0 Derating ambient temperature min. Operating ambient temperature min. Operating ambient temperature min.  Operating ambient temperature min.  Operating ambient temperature min.  IO.2 Strength of materials and parts  IO.2.2 Foreign of materials and parts  IO.2.2 Verification of trensistance  IO.2.3 Verification of trensistance of insulating materials to normal heat and fire due to internal electric effects  IO.2.3 Verification of trensistance of insulating materials to abnormal heat and fire due to internal electric effects  IO.2.5 Lifting  IO.2.5 Lifting  IO.2.5 Lifting  IO.2.5 Lifting  IO.2.5 Lifting  IO.2.5 Inscriptions  IO.3.0 General standard in sequirements.  IO.4.1 Clearances and creepage distances  IO.5.1 Foreign in sequirements.  IO.5.2 Foreign in of switching devices and components  IO.6.3 Incorporation of switching devices and components  IO.6.4 Clearances and creepage distances  IO.7.1 Incoreal electric alcricuits and connections  IO.8 Incorporation of switching devices and components  IO.8 Incorporation of swit	Rated operational current for specified heat dissipation	In	Α	0
Static heat dissipation, non-current-dependent Heat dissipation capacity Operating ambient temperature min. Operating ambient temperature min. Operating ambient temperature min.  Operature the entire switchgar needs to be evaluated.  Operating ambient temperature min.  Operating ambient temperature min.  Operature the entire switchgar needs to be evaluated.  Operating ambient min.  Operating ambient min.  Operating ambient min.  Operating ambient min.  Opera	Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Heat dissipation capacity  Operating ambient temperature min.  Operating ambient temperature min.  Operating ambient temperature max.  ICCEN 61439 design verification  10.2 Strength of materials and parts  10.2.2 Corossion resistance  10.2.3.1 Verification of resistance of insulating materials to normal heat and fire due to internal elactic effects  10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal elactic effects  10.2.3.2 Verification of resistance of insulating materials to abnormal heat and fire due to internal eluctic effects  10.2.4 Resistance to ultra-violet (UV) radiation  10.2.5 Lifting  10.2.5 Lifting  10.2.6 Mechanical impact  10.2.7 Inscriptions  10.3.0 Degree of protection of ASSEMBLIES  10.4 Clearances and crepage distances  10.5 Protection against electric shock  10.5 Incorporation of switching devices and components  10.6 Incorporation of switching devices and components  10.7 Intornal electric shock  10.8 Incorporation of switching devices and components  10.9 The foreign electric shock  10.1 Intornal electric shock  10.2 Internal electric shock  10.3 Internal electric shock  10.4 Internal electric shock  10.5 Internal electric shock  10.6 Internal electric shock  10.7 Inter	Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
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10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Does not apply, since the entire switchgear needs to be evaluated.  Is the panel builder's responsibility.  The specifications for the switchgear must be observed.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  The device meets the requirements, provided the information in the instruction	10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.7 Internal electrical circuits and connections  10.8 Connections for external conductors  10.9 Insulation properties  10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Is the panel builder's responsibility.  Is the panel builder's responsibility.  Not applicable.  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.12 Electromagnetic compatibility  The device meets the requirements, provided the information in the instruction	10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
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10.9.2 Power-frequency electric strength  10.9.3 Impulse withstand voltage  10.9.4 Testing of enclosures made of insulating material  10.10 Temperature rise  Not applicable.  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  The device meets the requirements, provided the information in the instruction	10.8 Connections for external conductors			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	10.9 Insulation properties			
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	10.9.2 Power-frequency electric strength			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	10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
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	10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
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	10.10 Temperature rise			Not applicable.
observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	10.11 Short-circuit rating			
	10.12 Electromagnetic compatibility			
	10.13 Mechanical function			

#### **Technical data ETIM 7.0**

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

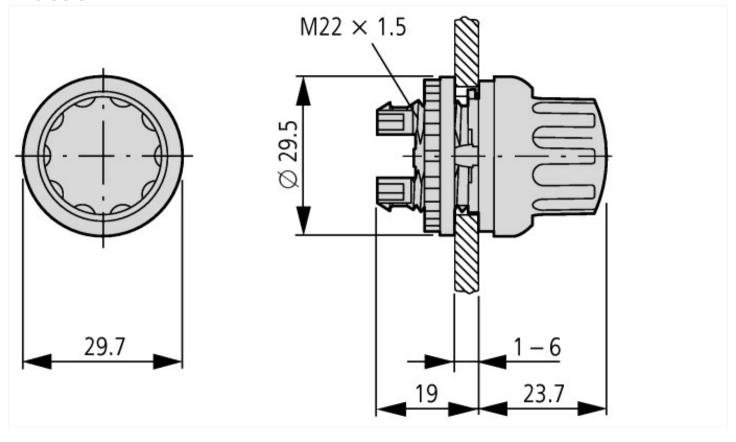
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ecl@ss10.0.1-27-37-12-13 [AKF031014])

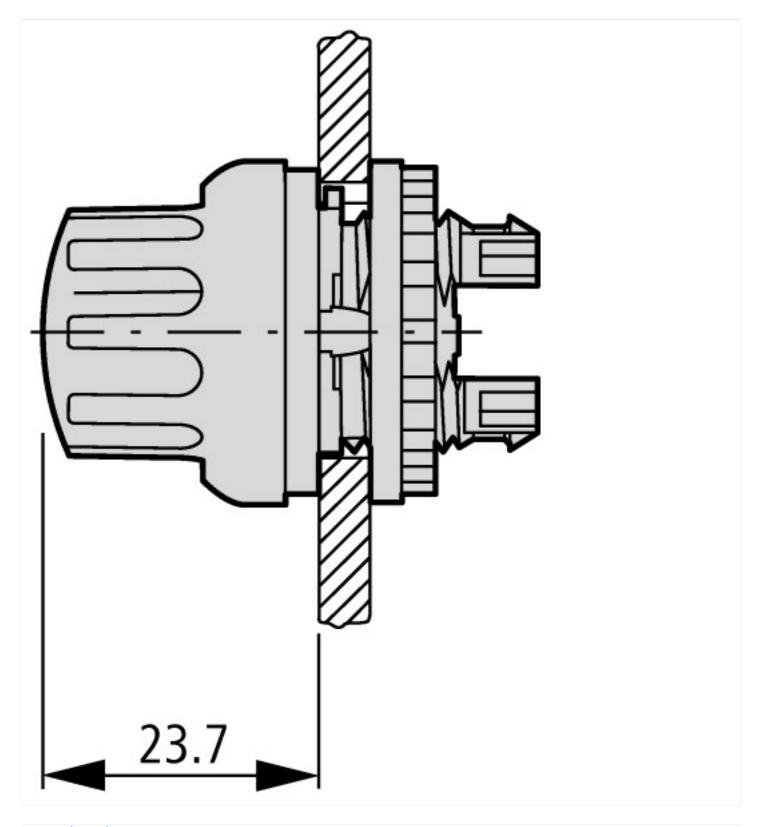
[AKF031014])		
Number of switch positions		2
Type of control element		Turn button
Suitable for illumination		No
Colour control element		Black
Colour indicator light cap		Other
Construction type lens		Round
Hole diameter	mm	22.5
Width opening	mm	0
Height opening	mm	0
Switching function latching		Yes
Spring-return		No
With front ring		Yes
Material front ring		Plastic
Colour front ring		Black
Degree of protection (IP), front side		IP66

#### **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**





### **Assets (links)**

**Declaration of CE Conformity** 00003256

## **Additional product information (links)**

IL04716002Z (AWA1160-1745) RMQ-Titan System			
IL04716002Z (AWA1160-1745) RMQ-Titan System	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2018_10.pdf		
Notes on individual inscription using the Labeleditor software	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=2.53		
f1=1454&f2=1179;Labeleditor	http://applications.eaton.eu/sdlc?LX=11&		