

#### Selector switch, 1N/O, 2 positions, front mount

M22-WRK/K10 216518 Eaton Catalog No. M22-WRK-K10Q

**EL-Nummer** 4355291 (Norway)

Part no.

Catalog No.



**Delivery program** 

zomor, program		
Product range		RMQ-Titan
Basic function		Selector switch actuators
Single unit/Complete unit		Complete unit
Design		With thumb-grip
		maintained
Function:		
		V 60°
Connection type		Screw connection
		2 positions
Degree of Protection		IP66
Front ring		Bezel: titanium
Connection to SmartWire-DT		no
Contacts		
N/O = Normally open		1 N/0
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1		
Minimum force for positive opening	N	0
Contact sequence		F
Front dimensions		29,7
Instructions		Stay-put/spring-return function, can be changed with coding parts M22-XC-Y Contactor states 0, I and II correspond with the position of the actuator as viewed from the front.

### **Technical data**

General			
Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	> 0.1
Operating frequency	Operations/h		≦ <sub>2000</sub>
Operating torque (screw terminals)		Nm	≦ <sub>0.3</sub>
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

#### Design verification as per IEC/EN 61439

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Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	6

Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0.11
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 max.		°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			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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 6.0**

Low-voltage industrial components (EG000017) / Selector switch, complete (EC001029)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Selector switch, complete unit (ecl@ss8.1-27-37-12-43 [ACN984008])

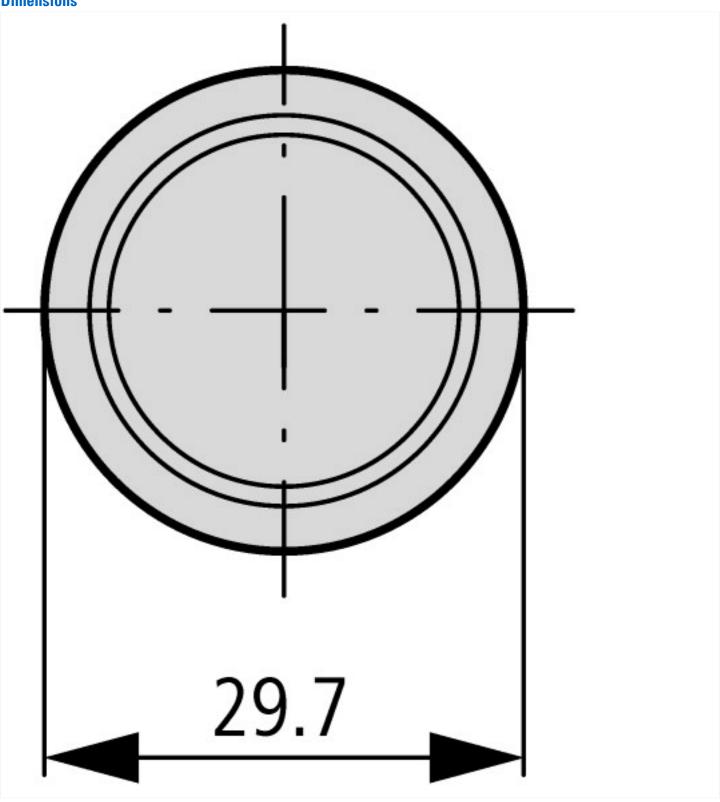
Type of control element  Type of control element  Suitable for illumination  Suitable for illumination  No  No  No  No  No  No  Black  Hole diameter  mm  22  Width opening  mm  0  Switching function latching  Switching function latching  Spring-return  Degree of protection (IP)  Supply voltage  Number of contacts as normally open contact  Number of contacts as normally closed contact  Number of contacts as change-over contact  Type of electric connection  Type of electric connection  Number of contacts as change-over contact  Type of electric connection	[ACN984008])		
Suitable for illumination  With lamp  Colour button  Hole diameter  Width opening  mm  0  Height meter opening  Switching function latching  Switching function latching  Spring-return  Degree of protection (IP)  Supply voltage  No  Variable for illumination  No  166  Supply voltage  Variable for illumination  No  No  17be 6  Supply voltage  No  No  O  O  Sumber of contacts as normally open contact  Number of contacts as change-over contact  Number of contacts as change-over contact  Number of contacts as change-over contact  Type of electric connection	Number of switch positions		2
With lamp Colour button Hole diameter Width opening With meter opening Withing function latching Switching function latching Spring-return Degree of protection (IP) Supply voltage Number of contacts as normally closed contact Number of contacts as change-over contact  Number of contacts as change-over contact  Number of contacts as change-over contact  Type of electric connection  With lamp Black  Mm 22  Ves Ves No  No  1P66  1  1  1  1  1  1  1  1  1  1  1  1	Type of control element		Toggle
Colour button  Hole diameter  Width opening  mm  0  Witching function latching  Swritching function (IP)  Supply voltage  Number of contacts as normally closed contact  Number of contacts as change-over contact  Type of electric connection  Number of contacts as change-over contact  Type of electric connection  Real Black  Black  Black  Black  Black  Black  Black  Black  Black  An  22  Yes  Ves  No  No  P66  P66  1  1  1  1  1  1  1  1  1  1  1  1	Suitable for illumination		No
Hole diametermm22Width openingmm0Height meter openingmm0Switching function latchingYesSpring-returnNoDegree of protection (IP)IP66Supply voltageV0 - 0Number of contacts as normally open contact1Number of contacts as normally closed contact0Number of contacts as change-over contact0Type of electric connectionScrew connection	With lamp		No
Width openingmm0Height meter openingmm0Switching function latchingYesSpring-returnNoDegree of protection (IP)IP66Supply voltageV0 - 0Number of contacts as normally open contact1Number of contacts as normally closed contact0Number of contacts as change-over contact0Type of electric connectionScrew connection	Colour button		Black
Height meter opening mm 0 Switching function latching Yes Spring-return No Degree of protection (IP) IP66 Supply voltage V 0 0 - 0 Number of contacts as normally open contact 1 Number of contacts as normally closed contact 0 Number of contacts as change-over contact 1 Type of electric connection 5  Method Norman Number of contacts as change-over contact 0 Screw connection 0  Screw connection 1  Method Norman Number of contacts as change-over contact 0 Screw connection 1  Method Norman Number of contacts as change-over contact 0 Screw connection 1  Method Norman Number of contacts as change-over contact 0 Screw connection 1  Method Norman Number of contacts as change-over contact 0 Screw connection 1  Method Norman Number of contacts as change-over contact 0 Screw connection 1  Method Norman Number of contacts as change-over contact 0 Screw connection 1  Method Norman Number of contacts as change-over contact 0 Screw connection 1  Method Norman Number of contacts as change-over contact 0 Screw connection 1  Method Norman Number of contacts as change-over contact 0 Screw connection 1  Method Norman Number of contacts as change-over contact 0 Screw connection 1  Method Norman Number of contacts as change-over contact 0 Screw connection 1  Method Norman Number of contacts as change-over contact 0 Screw connection 1  Method Norman Number of contact 2  Method Norman Number of contact 2  Method Norman Number of contact 2  Method Numbe	Hole diameter	mm	22
Switching function latching  Spring-return  Degree of protection (IP)  Supply voltage  V  0 - 0  Number of contacts as normally closed contact  Number of contacts as change-over contact  Type of electric connection  Yes  No  1  1  1  1  1  1  1  1  1  1  1  1  1	Width opening	mm	0
Spring-return  Degree of protection (IP)  Supply voltage  V  0 - 0  Number of contacts as normally closed contact  Number of contacts as change-over contact  Type of electric connection  No  No  No  Pe66  V  0 - 0  0  Contacts as normally closed contact  0  Screw connection	Height meter opening	mm	0
Degree of protection (IP)  Supply voltage  V  0 - 0  Number of contacts as normally open contact  Number of contacts as normally closed contact  Number of contacts as change-over contact  Type of electric connection  IP66  0  0  Screw connection	Switching function latching		Yes
Supply voltage  V 0 - 0  Number of contacts as normally open contact  Number of contacts as normally closed contact  Number of contacts as change-over contact  Type of electric connection  V 0 - 0  O  Contacts as normally closed contact  O  Screw connection	Spring-return		No
Number of contacts as normally open contact  Number of contacts as normally closed contact  Number of contacts as change-over contact  Type of electric connection  1  O  Screw connection	Degree of protection (IP)		IP66
Number of contacts as normally closed contact  Number of contacts as change-over contact  Type of electric connection  O  Screw connection	Supply voltage	V	0 - 0
Number of contacts as change-over contact 0  Type of electric connection Screw connection	Number of contacts as normally open contact		1
Type of electric connection Screw connection	Number of contacts as normally closed contact		0
	Number of contacts as change-over contact		0
With front ring Yes	Type of electric connection		Screw connection
	With front ring		Yes

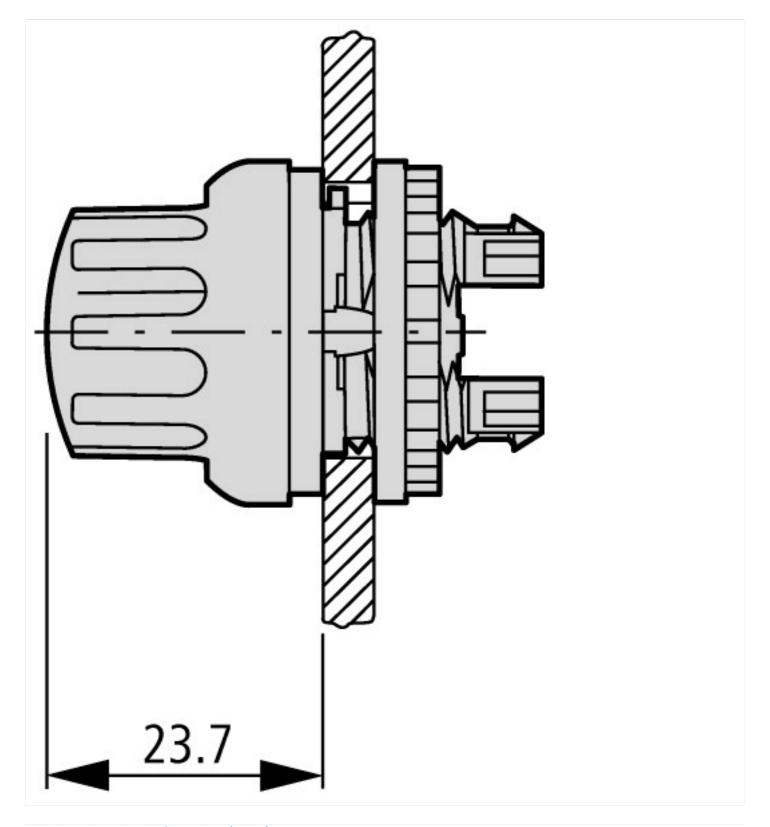
Material front ring	Plastic
Colour front ring	Chrome

# 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**





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

IL04716002Z (AWA1160-1745) RMQ-Titan System

IL04716002Z (AWA1160-1745) RMQ-Titan

ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL04716002Z2017\_01.pdf