

Part no.

Article no.

Catalog No.

M22-DR-G 216619 M22-DR-GQ



#### Delivery programme

Instructions		Stay-put/spring-return function can be changed on device
Front dimensions		22 x 22
Minimum force for positive opening	Ν	0
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1		
Connection to SmartWire-DT		Yes, with SWD-RMQ connections
Front ring		Bezel: titanium
Degree of Protection		IP67, IP69K
		Blank
Button plate		
button plate		green
Button plate		
		maintained
Design		Flat
Single unit/Complete unit		Single unit
Basic function		Pushbutton actuators
Product range		RMQ-Titan (drilling dimensions 22.5 mm)

### **Technical data**

General			
Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	>1
Operating frequency	Operations/h		≦ <sub>1800</sub>
Actuating force		n	≦₅
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
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

# Design verification as per IEC/EN 61439

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

C/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 6.0**

Low-voltage industrial components (EG000017) / Front element for push button (EC000221)

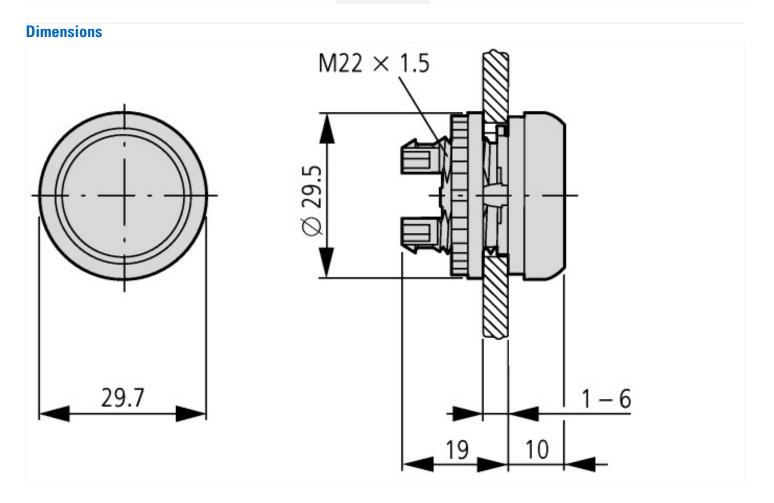
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss8.1-27-37-12-10 [AKF028011])

Number of command positionsImage: Rest of the sector of the s	Colour button		Green
Hole diameter     mm     2       With opening     mm     2       Height meter opening     mm     6       Degree of protection (IP), front side     mm     For       Type of button     For     For       Suitable for illumination     For     For       Vith protection cover     For     No       Switching function latching     For     Sol       Spring-return     For     For       With front ring     For     Sol       Mith for tring     For     Sol	Number of command positions		1
With openingmm2Height meter openingmm6Degree of protection (IP), front sideIMF67Type of buttonIMF61Suitable for illuminationIMF61With protection coverIMF61LabeledIMF62Syning-returnIMF62With front ringIMF63With front ringIMF63Mith front ringIMF64Mith front ringIMF64Mith front ringIMF64Mith front ringIMF64Mith front ringF64F64Mith front ringF64 <td>Construction type lens</td> <td></td> <td>Round</td>	Construction type lens		Round
Height meter openingmm6Degree of protection (IP), front sideIP67Type of buttonIP67Suitable for illuminationIP67With protection coverIP67LabelledNoSwitching function latchingIP67Spring-returnIP67With front ringIP67Material front ringIP67NoIP67IP67IP68IP67 <td< td=""><td>Hole diameter</td><td>mm</td><td>22</td></td<>	Hole diameter	mm	22
Degree of protection (IP), front sideIP67Type of buttonFlatSuitable for illuminationNoWith protection coverNoLabelledNoSwitching function latchingICSpring-returnYesWith front ringYesMaterial front ringICProtection ringICSpring-returnYesStatel for tringICSpring-returnYesStatel for tringICStatel for tri	Width opening	mm	22
Type of buttonFlatSuitable for illuminationNoWith protection coverNoLabelledNoSwitching function latchingSectorSpring-returnYesWith front ringYesMaterial front ringSectorMaterial front ringSectorState Sector	Height meter opening	mm	6
Suitable for illuminationNoWith protection coverNoLabelledNoSwitching function latchingSecondSpring-returnYesWith front ringSecondMaterial front ringSecondMaterial front ringSecondStatiantSecond <trt>StatiantSecond&lt;</trt>	Degree of protection (IP), front side		IP67
With protection coverNoLabelledNoSwitching function latchingSecondSpring-returnYesWith front ringYesMaterial front ringSecondPlasticPlastic	Type of button		Flat
LabelledNoSwitching function latchingSeaSpring-returnYesWith front ringSeaMaterial front ringSeaPlasticPlastic	Suitable for illumination		No
Switching function latchingYesSpring-returnYesWith front ringYesMaterial front ringYesMaterial front ringYes	With protection cover		No
Spring-return Yes   With front ring Yes   Material front ring Image: Compare the second se	Labelled		No
With front ring Yes   Material front ring Material front ring	Switching function latching		Yes
Material front ring Plastic	Spring-return		Yes
	With front ring		Yes
Colour front ring Chrome	Material front ring		Plastic
	Colour front ring		Chrome

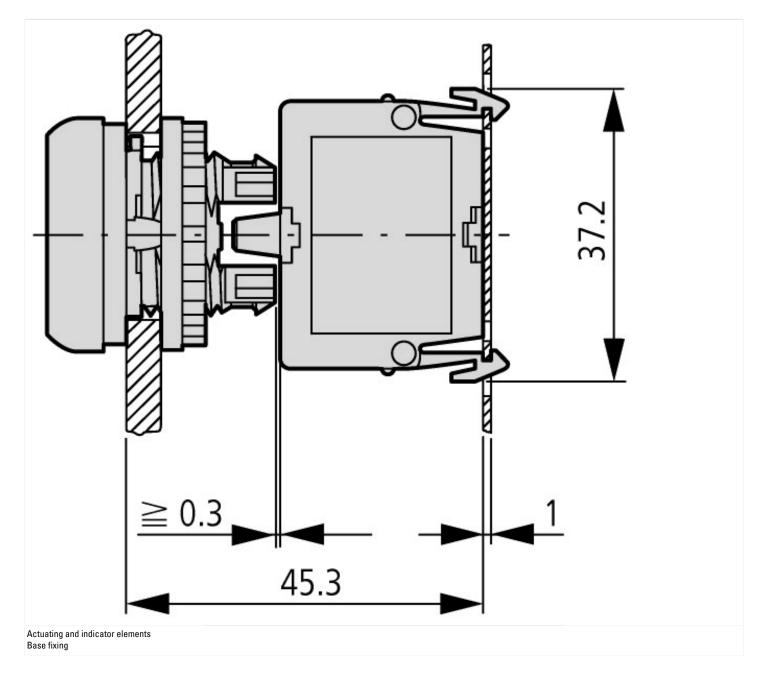
# Approvals

IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking
E29184
NKCR
012528
3211-03
UL listed, CSA certified

UL/CSA Type 3R, 4X, 12, 13







### Additional product information (links)

#### IL04716002Z (AWA1160-1745) RMQ-Titan System

IL04716002Z (AWA1160-1745) RMQ-Titan ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL04716002Z2015\_02.pdf System