



## Joystick 2 positions, horizontal, maintained

**Part no.** M22-WRJ2H  
**Catalog No.** 289199  
**Alternate Catalog No.** M22-WRJ2HQ  
**EL-Nummer (Norway)** 4315311



## Delivery program

Product range	RMQ-Titan	
Basic function	Joystick	
Single unit/Complete unit	Single unit	
<b>Function:</b>		
Function		
Description	with one operating point per operating direction	
Degree of Protection	IP66	
Front ring	Bezel: titanium	
Connection to SmartWire-DT	yes with SWD-RMQ connections	
<b>Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1</b>		
Minimum force for positive opening	N	0
Front dimensions	- N/A -	
Function	maintained Horizontal	

## Technical data

General		
Standards		IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations $\times 10^6$	> 0.1
Operating frequency	Operations/h	$\leq 2000$
Actuating force	n	$\leq 5$
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

## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I <sub>n</sub>	A	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			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 7.0

Low-voltage industrial components (EG000017) / Control switch, Joystick (EC000632)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Control switch, joystick (ecl@ss10.0.1-27-37-14-04 [AKF061013])			
Rated operation current Ie at AC-21, 400 V	A	0	
Centre mounting, hole diameter	mm	22.5	
Joy stick length	mm	75	
Number of actuation directions		2	
Number of switch levels		0	
Number of normally open contacts per actuation direction		0	
Number of normally closed contacts per actuation direction		0	
Number of make-and-break contacts per direction		0	
With retraction in 0-position		No	
Locking in 0-position		No	
Coder		No	
Analogue output signal configurable		No	
With front ring		Yes	
Material front ring		Plastic	
Colour front ring		Chrome	

Degree of protection (IP)

IP66

Degree of protection (NEMA)

4X

## 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

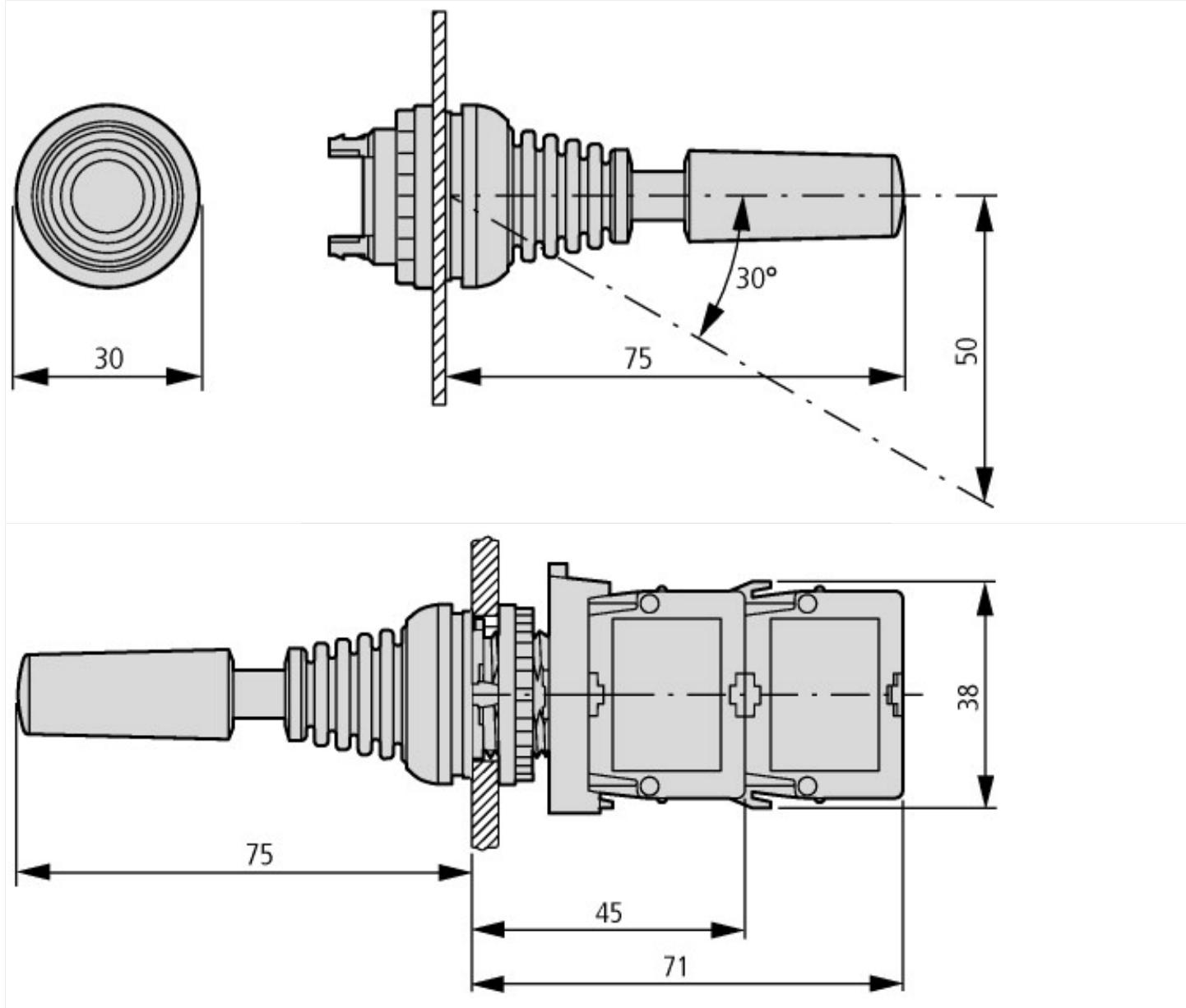
North America Certification

UL listed, CSA certified

Degree of Protection

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

## Dimensions



## Assets (links)

[Declaration of CE Conformity](#)

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