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M22-WRK - Changeover switch, RMQ-Titan, With thumb-grip, maintained, 2 positions, Bezel: titanium



216867 M22-WRK

[Overview](#) [Specifications](#) [Resources](#)



## 216867 M22-WRK

Changeover switch, RMQ-Titan, With thumb-grip, maintained, 2 positions, Bezel: titanium

Alternate Catalog No.

M22-WRKQ

EL-Nummer (Norway)

4355317

Changeover switch, Product range: RMQ-Titan, Single unit, Design: With thumb-grip, maintained, 2 positions, Degree of Protection: IP66, Bezel: titanium, Connection to SmartWire-DT: yes, with SWD-RMQ connections, Front dimensions: 29,7, Instructions: Stay-put/spring-return function, can be changed with coding parts M22-XC-Y, Standards: IEC/EN 60947, VDE 0660, Degree of Protection: IP66

- [Delivery program](#)
- [Technical data](#)
- [Design verification as per IEC/EN 61439](#)
- [Technical data ETIM 7.0](#)
- [Approvals](#)
- [Dimensions](#)

### Delivery program

Product range  
RMQ-Titan  
Basic function  
Selector switch actuators  
Mounting hole diameter [□]  
22.5 mm  
Single unit/Complete unit  
Single unit  
Design  
With thumb-grip  
maintained  
Function: [□ = spring-return]  
┆ 60°  
2 positions  
Degree of Protection  
IP66  
Front ring  
Bezel: titanium  
Connection to SmartWire-DT  
yes  
with SWD-RMQ connections

### Instructions

Stay-put/spring-return function, can be changed with coding parts M22-XC-Y

### Technical data

General  
Standards

IEC/EN 60947  
 VDE 0660  
 Lifespan, mechanical [Operations]  
 $> 0.1 \times 10^6$   
 Operating frequency [Operations/h]  
 2000  
 Operating torque (screw terminals)  
 0.3 Nm  
 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  
 $-25 - +70 \text{ }^\circ\text{C}$   
 Ambient temperature Storage  
 $-40 - +80 \text{ }^\circ\text{C}$   
 Mounting position  
 As required  
 Mechanical shock resistance  
 30  
 Shock duration 11 ms  
 Sinusoidal  
 according to IEC 60068-2-27 g  
 shipping classification  
 DNV  
 GL  
 LR



Indoor and protected outdoor installation

## Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [ $I_r$ ]

0 A

Heat dissipation per pole, current-dependent [ $P_{id}$ ]

0 W

Equipment heat dissipation, current-dependent [ $P_{id}$ ]

0 W

Static heat dissipation, non-current-dependent [ $P_{vs}$ ]

0 W

Heat dissipation capacity [ $P_{diss}$ ]

0 W

Operating ambient temperature min.

$-25 \text{ }^\circ\text{C}$

Operating ambient temperature max.

$+70 \text{ }^\circ\text{C}$

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 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 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 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Please enquire

10.2 Strength of materials and parts 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 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 Insulation properties 10.9.3 Impulse withstand voltage  
 Is the panel builder's responsibility.  
 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 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

2

Type of control element

Toggle

Suitable for illumination

No

Colour control element

Black

Colour indicator light cap

Other

Construction type lens

Round

Hole diameter

22.5 mm

Width opening

0 mm

Height opening

0 mm

Switching function latching

Yes

Spring-return

No

With front ring

Yes

Material front ring

Plastic

Colour front ring

Other

Degree of protection (IP), front side

IP66

Degree of protection (NEMA)

4X

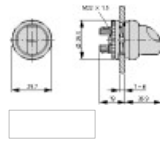
## Approvals

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



## CAD data

- [Product-specific CAD data](#)  
(Web)
- [3D Preview](#)  
(Web)

## DWG files

- [DA-CD-wahltaste\\_knebel](#)  
File  
(Web)

## edz files

- [DA-CE-ETN.M22-WRK](#)  
File  
(Web)

## Step files

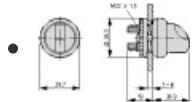
- [DA-CS-wahltaste\\_knebel](#)  
File  
(Web)

## 3D drawing

- [116I266](#)  
Line drawing  
Illuminated selector switch actuator

## Dimensions single product

- [116X115](#)  
Line drawing  
Selector switch



- [116X196](#)  
Line drawing  
Selector switch

## Product photo



1160PIC-157

Photo

Selector switch, thumb-grip

## Symbol



Germanischer Lloyd

0000SPC-180

Graphic

Germanischer Lloyd approval for Germany (color logo)



DNV

0000SPC-183

Logo

Approval Norway Det Norske Veritas DNV

## Instruction Leaflet

- [RMQ-Titan System\(IL04716002Z\)](#)  
Asset  
former AWA1160-1745, IL04716001E  
(PDF, 09/2020, multilingual)

## StandardsSymbol



0000SPC-179

Graphic

Lloyd's Register approval for Great Britain

## Declaration of Conformity

### EU

- [RMQ Titan \(Operating and signalling devices\) M2.../M30.../C22.../C30...](#) (DA-DC-00003657)  
Asset  
(PDF)

### UK

- [RMQ Titan \(Operating and signalling devices\) M2.../M30.../C22.../C30...](#) (DA-DC-00003960)  
Asset  
(PDF)

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