

Select your language

- German
- English
- Spanish
- French
- Dutch
- Italian
- Polish
- Czech
- Russian
- Norwegian Bokmål

Worldwide English



Powering Business Worldwide

M22-WR3 - Changeover switch, RMQ-Titan, With rotary head, maintained, 3 positions, inscribed, Bezel: titanium



216863 M22-WR3

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



## 216863 M22-WR3

Changeover switch, RMQ-Titan, With rotary head, maintained, 3 positions, inscribed, Bezel: titanium

Alternate Catalog No.

M22-WR3Q

EL-Nummer (Norway)

4355315

Changeover switch, Product range: RMQ-Titan, Single unit, Design: With rotary head, maintained, 3 positions, inscribed, 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, with plunger bridge for the middle contact, 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 rotary head  
maintained  
Function: [I, = spring-return]  
60° □ 60°  
3 positions  
Button plate  
Button plate



inscribed  
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  
with plunger bridge for the middle contact

## Technical data

General

Standards

IEC/EN 60947

VDE 0660

Lifespan, mechanical [Operations]

> 0.1 x 10<sup>6</sup>

Operating frequency [Operations/h]

□ 2000

Operating torque

□ 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 temperatureOpen

-25 - +70 °C

Ambient temperatureStorage

- 40 - + 80 °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 [ $I_n$ ]

0 A

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

0 W

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

0 W

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

0 W

Heat dissipation capacity [ $P_{diss}$ ]

0 W

Operating ambient temperature min.

-25 °C

Operating ambient temperature max.

+70 °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

3

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

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](#)  
File  
(Web)

## edz files

- [DA-CE-ETN.M22-WR3](#)  
File  
(Web)

## Step files

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

## 3D drawing

- [116I265](#)  
Line drawing  
Selector switch

## Dimensions single product

- [116X116](#)  
Line drawing  
Selector switch
-

116X195  
Line drawing  
Selector switch

## Product photo



1160PIC-158

Photo  
Selector switch, rotary head, 3 positions

## Symbol



Germanischer Lloyd  
0000SFC-180

Graphic  
Germanischer Lloyd approval for Germany (color logo)



DNV  
0000SFC-183

Logo  
Approval Norway Det Norske Veritas DNV



116C217

Graphic  
Button plate, black

## Instruction Leaflet

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

## StandardsSymbol



0000SFC-179

Graphic  
Lloyd's Register approval for Great Britain

## Declaration of Conformity

### EU

- [RMQ Titan \(Operating and signalling devices\) M22.../M30.../C22.../C30...](#) (DA-DC-00003657)  
Asset  
(PDF)

### UK

- [RMQ Titan \(Operating and signalling devices\) M22.../M30.../C22.../C30...](#) (DA-DC-00003960)

Asset  
(PDF)

## Download-Center

- [Download-Center \(this item\)](#)  
Eaton EMEA Download-Center - download data for this item
- [Download-Center](#)  
Eaton EMEA Download-Center



[Generate data sheet in PDF format](#)



[Generate data sheet in Excel format](#)



[Write a comment](#)

[Imprint](#) [Privacy Policy](#) [Legal Disclaimer](#) [Terms and Conditions](#)

© 2021 by Eaton Industries GmbH

