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Powering Business Worldwide

M22-WRLK3-R - Illuminated selector switch actuator, RMQ-Titan, With thumb-grip, maintained, 3 positions, red, Bezel: titanium



216845 M22-WRLK3-R

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## 216845 M22-WRLK3-R

Illuminated selector switch actuator, RMQ-Titan, With thumb-grip, maintained, 3 positions, red, Bezel: titanium

Alternate Catalog No.

M22-WRLK3-RQ

EL-Nummer (Norway)

4355759

Illuminated selector switch actuator, Product range: RMQ-Titan, Single unit, Design: With thumb-grip, maintained, 3 positions, Colour Thumb-grip: red, 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

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### Delivery program

Product range

RMQ-Titan

Basic function

Illuminated selector switch actuator

Mounting hole diameter [□]

22.5 mm

Single unit/Complete unit

Single unit

Design

With thumb-grip

maintained

Function: [□ = spring-return]

60° □ 60°

3 positions

Colour

Thumb-grip

red



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 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 temperature Open

-25 - +70 °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



## 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 [ $P_{vd}$ ]

0 W

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

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  
Toggle

Suitable for illumination  
Yes

Colour control element  
Black

Colour indicator light cap  
Red

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-WRLK3-R](#)  
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-352  
Photo  
Illuminated selector switch actuator

# Symbol



Germanischer Lloyd  
0000SPC-180  
Graphic  
Germanischer Lloyd approval for Germany (color logo)



DNV  
0000SPC-183  
Logo  
Approval Norway Det Norske Veritas DNV



1160061  
Graphic  
Button plate, red

# Instruction Leaflet

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

# StandardsSymbol



Lloyd's Register  
TYPE APPROVED  
0000SPC-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)

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