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M22-DRP-W-X1 - Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroomblack, White, inscribed, Bezel: titanium



216757 M22-DRP-W-X1

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## 216757 M22-DRP-W-X1

Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroomblack, White, inscribed, Bezel: titanium

Alternate Catalog No.

M22-DRP-W-X1Q

EL-Nummer (Norway)

4355485

Mushroom actuator, Product range: RMQ-Titan, Single unit, Design: Mushroom, maintained, Colour Mushroom black, button plate: White, inscribed, Degree of Protection: IP66, IP67, IP69K, Bezel: titanium, Connection to SmartWire-DT: yes, with SWD-RMQ connections, Front dimensions: 22 x 22, Function: maintained, Instructions: Stay-put/spring-return function can be changed on device, Standards: IEC/EN 60947, VDE 0660

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### Delivery program

Product range

RMQ-Titan

Basic function

Mushroom-headed pushbutton

Mounting hole diameter [□]

22.5 mm

Single unit/Complete unit

Single unit

Design

Mushroom

maintained

Colour

Mushroom

black

Mushroom colour



Button plate

button plate

White

Button plate



inscribed

Degree of Protection

IP66, IP67, IP69

Front ring

Bezel: titanium

Connection to SmartWire-DT

yes

with SWD-RMQ connections

Function

maintained

### Instructions

Stay-put/spring-return function can be changed on device

## Technical data

General

Standards

IEC/EN 60947

VDE 0660

Lifespan, mechanical [Operations]

$> 1 \times 10^6$

Operating frequency [Operations/h]

1800

Actuating force

5 n

Climatic proofing

Damp heat, constant, to IEC 60068-2-78

Damp heat, cyclic, to IEC 60068-2-30

Degree of Protection

IP66, IP67, IP69

Ambient temperature Open

-25 - +70 °C

Ambient temperature Storage

- 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



Germanischer Lloyd



## 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 [ $P_{rd}$ ]

0 W

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

0 W

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

0 W

Heat dissipation capacity [ $P_{dss}$ ]

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 mushroom push-button (EC001038)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss10.0.1-27-37-12-12 [AKF030014])

Colour button

White

Construction type lens

Round

Diameter cap

36.5 mm

Hole diameter

22.5 mm

Width opening

0 mm

Height opening

0 mm

Degree of protection (IP)

IP67/IP69K

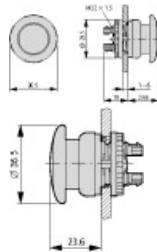
Degree of protection (NEMA)

4X  
Type of button  
Flat  
Suitable for illumination  
No  
Switching function latching  
Yes  
Spring-return  
Yes  
With front ring  
Yes  
Material front ring  
Plastic  
Colour front ring  
Chrome  
Suitable for emergency stop  
No  
Unlocking method  
None

## 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-pilzdrucktaste](#)  
File  
(Web)

## edz files

- [DA-CE-ETN.M22-DRP-W-X1](#)  
File  
(Web)

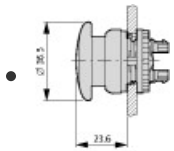
## Step files

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

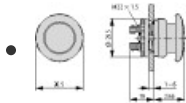
## 3D drawing

- [116I255](#)  
Line drawing  
Mushroom actuator

## Dimensions single product



- [116X100](#)  
Line drawing  
Mushroom actuator



- [116X201](#)  
Line drawing  
Mushroom actuator

## Product photo



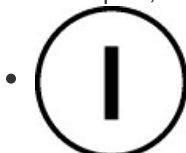
- [1160PIC-1116](#)  
Photo  
M22 Mushroom actuator

## Symbol

-   
[Germanischer Lloyd](#)  
[0000SFC-180](#)  
Graphic  
Germanischer Lloyd approval for Germany (color logo)

-   
[DNV](#)  
[0000SFC-183](#)  
Logo  
Approval Norway Det Norske Veritas DNV

-   
[116C060](#)  
Graphic  
Button plate, black



116C090  
Graphic  
Button plate, white

## 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 \(Operating and signalling devices\) 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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