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M22-DL-W-X1 - Illuminated pushbutton actuator, RMQ-Titan, Flush, momentary, White, inscribed 1, Bezel: titanium



216942 M22-DL-W-X1

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## 216942 M22-DL-W-X1

Illuminated pushbutton actuator, RMQ-Titan, Flush, momentary, White, inscribed 1, Bezel: titanium

Alternate Catalog No.

M22-DL-W-X1Q

EL-Nummer (Norway)

4355640

Illuminated pushbutton actuator, Product range: RMQ-Titan, Single unit, Design: Flush, momentary, button plate: White, Button plate inscribed, Degree of Protection: IP66, IP67, IP69K, Bezel: titanium, Connection to SmartWire-DT: yes, with SWD-RMQ connections, Front dimensions: 29,7, Standards: IEC/EN 60947, VDE 0660

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### Delivery program

Product range

RMQ-Titan

Basic function

Illuminated pushbutton actuators

Mounting hole diameter [□]

22.5 mm

Single unit/Complete unit

Single unit

Design

Flush

momentary

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

## Technical data

General  
Standards  
IEC/EN 60947  
VDE 0660  
Lifespan, mechanical [Operations]  
> 5 x 10<sup>6</sup>  
Operating frequency [Operations/h]  
 3600  
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  
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 [ $P_{vid}$ ]

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 push button (EC000221)  
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss10.0.1-27-37-12-10 [AKF028014])

Colour button

White

Number of command positions

1

Construction type lens

Round

Hole diameter

22.5 mm

Width opening

0 mm

Height opening

0 mm

Type of button

Flat

Suitable for illumination

Yes

With protective cover

No

Labelled

Yes

Switching function latching

No

Spring-return

Yes

With front ring

Yes

Material front ring

Plastic

Colour front ring

Chrome

Degree of protection (IP), front side  
IP67/IP69K  
Degree of protection (NEMA), front side  
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-drucktaste\\_flach](#)  
File  
(Web)

## edz files

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

## Step files

- [DA-CS-drucktaste\\_flach](#)  
File  
(Web)

## 3D drawing

- [116I256](#)  
Line drawing  
SmartWire-DT function elements, front, M22-SWD, flat

## Dimensions single product

- [116X103](#)  
Line drawing  
Pushbutton
- [116X214](#)  
Line drawing  
Actuator and signalling element

## Product photo



1160PIC-1106  
Photo

## Symbol



Germanischer Lloyd  
0000SPC-180

Graphic

Germanischer Lloyd approval for Germany (color logo)



DNV  
0000SPC-183

Logo

Approval Norway Det Norske Veritas DNV



116C090  
Graphic  
Button plate, white

## Instruction Leaflet

- [RMQ-Titan M22 \(IL047018ZU\)](#)  
(PDF, 07/2021, Int)
- [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 \(Operating and signalling devices\) 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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