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Powering Business Worldwide

M22-DP-Y-X - Mushroom actuator, RMQ-Titan, Mushroom, momentary, Mushroomyellow, Without button plate, Bezel: titanium



216737 M22-DP-Y-X

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## 216737 M22-DP-Y-X

Mushroom actuator, RMQ-Titan, Mushroom, momentary, Mushroomyellow, Without button plate, Bezel: titanium

Alternate Catalog No.

M22-DP-Y-XQ

EL-Nummer (Norway)

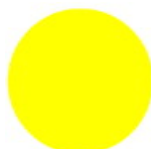
4355683

Mushroom actuator, Product range: RMQ-Titan, Single unit, Design: Mushroom, momentary, Colour Mushroom yellow, button plate: Without button plate, Degree of Protection: IP66, IP67, IP69K, Bezel: titanium, Connection to SmartWire-DT: yes, with SWD-RMQ connections, Front dimensions: 22 x 22, Function: momentary, Standards: IEC/EN 60947, VDE 0660

- Delivery program
- Technical data
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- Technical data ETIM 7.0
- Approvals
- Dimensions

### 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  
momentary  
Colour  
Mushroom  
yellow  
Mushroom colour



Button plate  
button plate  
Without button plate

Degree of Protection  
IP66, IP67, IP69  
Front ring  
Bezel: titanium  
Connection to SmartWire-DT  
yes  
with SWD-RMQ connections  
Function  
momentary

## 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  
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



## Design verification as per IEC/EN 61439

Technical data for design verification  
Rated operational current for specified heat dissipation [I<sub>r</sub>]  
0 A  
Heat dissipation per pole, current-dependent [P<sub>id</sub>]  
0 W  
Equipment heat dissipation, current-dependent [P<sub>id</sub>]  
0 W  
Static heat dissipation, non-current-dependent [P<sub>vs</sub>]  
0 W  
Heat dissipation capacity [P<sub>diss</sub>]  
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

Yellow

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

No

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-DP-Y-X](#)  
File  
(Web)

## Step files

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

## 3D drawing

- [1161255](#)  
Line drawing  
Mushroom actuator

## Dimensions single product

- □ 116X100  
Line drawing  
Mushroom actuator
- □ 116X201  
Line drawing  
Mushroom actuator

## Product photo



1160PIC-1118  
Photo

## Symbol

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



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

-  116C064  
Graphic  
Button plate, yellow

## Instruction Leaflet

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

## Standards Symbol

-  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)

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