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Powering Business Worldwide

M22-DRL-Y - Illuminated pushbutton actuator, RMQ-Titan, Flush, maintained, yellow, Blank, Bezel: titanium



216950 M22-DRL-Y

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## 216950 M22-DRL-Y

Illuminated pushbutton actuator, RMQ-Titan, Flush, maintained, yellow, Blank, Bezel: titanium

Alternate Catalog No.

M22-DRL-YQ

EL-Nummer (Norway)

4355350

Illuminated pushbutton actuator, Product range: RMQ-Titan, Single unit, Design: Flush, maintained, button plate: yellow, Button plate Blank, Degree of Protection: IP66, IP67, IP69K, Bezel: titanium, Connection to SmartWire-DT: yes, with SWD-RMQ connections, Front dimensions: 29,7, 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

Illuminated pushbutton actuators

Mounting hole diameter [□]

22.5 mm

Single unit/Complete unit

Single unit

Design

Flush

maintained

Button plate

button plate

yellow

Button plate



Blank

Degree of Protection

IP66, IP67, IP69

Front ring  
Bezel: titanium  
Connection to SmartWire-DT  
yes  
with SWD-RMQ connections

### 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

Mounting position

As required

Mechanical shock resistance

30

Shock duration 11 ms

Sinusoidal

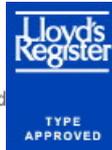
according to IEC 60068-2-27 g

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 [ $P_{vid}$ ]

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  
 Yellow  
 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  
 No  
 Switching function latching  
 Yes  
 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-DRL-Y](#)  
File  
(Web)

## Step files

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

## 3D drawing

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

## Dimensions single product

- [116X103](#)  
Line drawing  
Pushbutton
- [116X214](#)

## Product photo



1160PIC-42

Photo  
Pushbutton actuator, flat

## Symbol



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



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



1160064  
Graphic  
Button plate, yellow

## 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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