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



216922 M22-DL-W

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216922 M22-DL-W

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

Alternate Catalog No.

M22-DL-WQ

EL-Nummer (Norway)

4355342

Illuminated pushbutton actuator, Product range: RMQ-Titan, Single unit, Design: Flush, momentary, button plate: White, Button plate Blank, Degree of Protection: IP66, IP67, IP69K, Bezel: titanium, Connection to SmartWire-DT: yes, with SWD-RMQ connections, Front dimensions: 22 x 22, 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

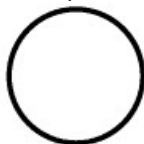
momentary

Button plate

button plate

White

Button plate



Blank

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 10⁶
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

No

Switching function latching

No

Spring-return

Yes

With front ring

Yes

Material front ring

Plastic

Colour front ring

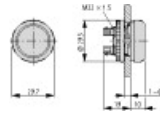
Chrome

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](#)
File
(Web)

Step files

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

3D drawing

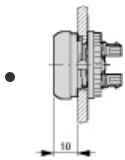


1161256

Line drawing

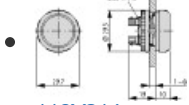
SmartWre-DT function elements, front, M22-SWD, flat

Dimensions single product



116X103

Line drawing
Pushbutton



116X214

Line drawing
Actuator and signalling element

Product photo



1160PIC-685

Photo

Symbol



Germanischer Lloyd
0000SFC-180

Graphic

Germanischer Lloyd approval for Germany (color logo)

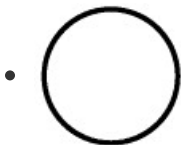


DNV

0000SFC-183

Logo

Approval Norway Det Norske Veritas DNV



116C063

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



0000SFC-179

Graphic

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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