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M22-D-R - Pushbutton, RMQ-Titan, Flat, momentary, red, Blank, Bezel: titanium



216594 M22-D-R

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216594 M22-D-R

Pushbutton, RMQ-Titan, Flat, momentary, red, Blank, Bezel: titanium

Alternate Catalog No.

M22-D-RQ

EL-Nummer (Norway)

4355602

Pushbutton, Product range: RMQ-Titan, Single unit, Design: Flat, momentary, button plate: red, 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

Pushbutton actuators

Mounting hole diameter [□]

22.5 mm

Single unit/Complete unit

Single unit

Design

Flat

momentary

Button plate

button plate

red

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
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



Indoor and protected outdoor installation

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_{id}]

0 W

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

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.

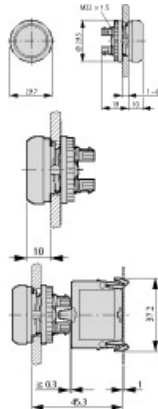
Technical data ETIM 7.0

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
 Red
 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
 No
 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 (NEVA), front side
 4X

Approvals

Product Standards
IEC/EN 60947-5; UL 508; CSA-C22.2 Nb. 14-05; CSA-C22.2 Nb. 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



Actuating and indicator elements
Base fixing

CAD data

- [Product-specific CAD data](#)
(Web)
- [3D Preview](#)
(Web)

DWG files

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

edz files

- [DA-CE-ETN.M22-D-R](#)
File
(Web)

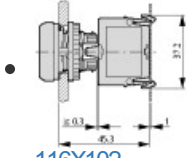
Step files

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

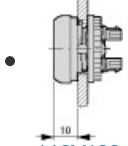
3D drawing

- [1161256](#)
Line drawing
SmartWire-DT function elements, front, M22-SWD, flat

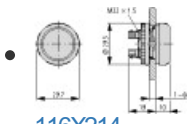
Dimensions single product



116X102
Line drawing
Push-button in base fixing



116X103
Line drawing
Pushbutton



116X214
Line drawing
Actuator and signalling element

Product photo



116A125
Photo
Pushbutton

Symbol



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



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



116C061
Graphic
Button plate, red

Instruction Leaflet

- [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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