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Powering Business Worldwide

M22-DRL-R-X0 - Illuminated pushbutton actuator, RMQ-Titan, Flush, maintained, red, inscribed, Bezel: titanium



216957 M22-DRL-R-X0

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216957 M22-DRL-R-X0

Illuminated pushbutton actuator, RMQ-Titan, Flush, maintained, red, inscribed, Bezel: titanium

Alternate Catalog No.

M22-DRL-R-X0Q

EL-Nummer (Norway)

4355642

Illuminated pushbutton actuator, Product range: RMQ-Titan, Single unit, Design: Flush, maintained, button plate: red, Button plate inscribed, 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

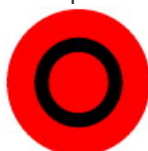
maintained

Button plate

button plate

red

Button plate



inscribed

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
 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
 Yes
 With protective cover
 No
 Labelled
 Yes
 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-R-X0](#)
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-1105

Photo

Symbol



Germanischer Lloyd

0000SPC-180

Graphic

Germanischer Lloyd approval for Germany (color logo)



DNV

0000SPC-183

Logo

Approval Norway Det Norske Veritas DNV



116C241

Graphic

Button plate, STOP

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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