



Overview

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## **DELIVERY PROGRAM**

Delivery program

Product range RMQ-Titan

Technical data

Basic function
Illuminated pushbutton actuators

Design verification as per IEC/EN 61439

Technical data ETIM 7.0

Mounting hole diameter [□] 22.5 mm

Single unit/Complete unit Single unit

Approvals

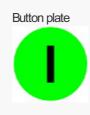
Dimensions Design
Extended

Design

maintained

**Button plate** 

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 x 10<sup>6</sup>

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 $_{n}$ ] 0 A

Heat dissipation per pole, current-dependent  $[P_{iid}] \ 0 \ W$ 

Equipment heat dissipation, current-dependent

 $[P_{vid}]$ 

0 W

Static heat dissipation, non-current-dependent [ $P_{\!\scriptscriptstyle NS}$ ] 0 W

Heat dissipation capacity [P<sub>diss</sub>] 0 W

Operating ambient temperature min. -25  $^{\circ}\text{C}$ 

Operating ambient temperature max. +70 °C

### IEC/EN 61439 design verification

10.2 Strength of materials and parts10.2.2 Corrosion resistanceMeets 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 parts10.2.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts10.2.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts10.2.7 InscriptionsMeets the product standard's requirements.

10.3 Degree of protection of ASSEVBLIES Does not apply, since the entire switchgear needs to be evaluated.

10.4 Clearances and creepage distances Weets 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 Green
Number of command positions
Construction type lens Round
Hole diameter 22.5 mm
Width opening 0 mm
Height opening 0 mm
Type of button High

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 (NEWA), 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**





