



Overview

Specifications

Resources









**DELIVERY PROGRAM** 

Technical data

Product range RMQ-Titan

Design verification as per IEC/EN 61439

Basic function
Illuminated pushbutton actuators

Mounting hole diameter  $[\Box]$  22.5 mm

Technical data E∏M7.0

Single unit/Complete unit Single unit

Approvals

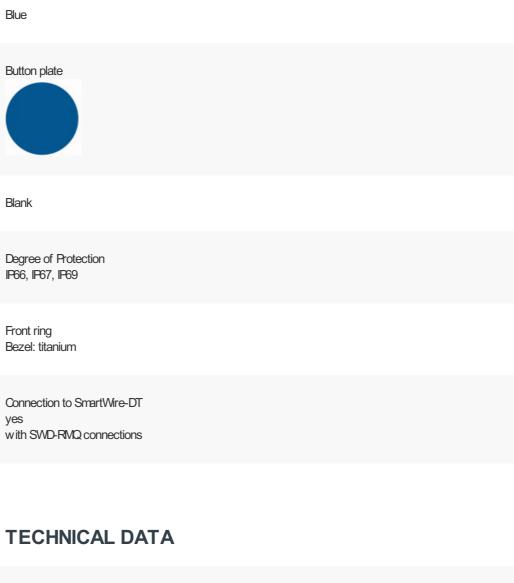
Design Extended

Dimensions

momentary

**Button plate** 

button plate



# Standards IEC/EN 60947 VDE 0660 Lifespan, mechanical [Operations] > 5 x 10<sup>6</sup> Operating frequency [Operations/h] 3600 Actuating force

Climatic proofing
Damp heat, constant, to IEC 60068-2-78
Damp heat, cyclic, to IEC 60068-2-30

Degree of Protection

□ 5 n

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

DW

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  $[P_{id}] \\ 0 \ W$ 

Equipment heat dissipation, current-dependent  $\left[ P_{id} \right]$  0 W

Static heat dissipation, non-current-dependent [P\_s]  $0\,\mathrm{W}$ 

Heat dissipation capacity [P<sub>diss</sub>] 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 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 parts10.2.3.2 Verification of resistance of insulating materials to normal heatMeets 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 Rease 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 parts 10.2.7 Inscriptions

Meets 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 Pow er-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 properties10.9.4 Testing of enclosures made of insulating materialIs 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 Blue
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 Hgh
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 (NEVA), 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**





