



M22-DG-X

Overview

Specifications

Resources







Delivery program

Technical data

Design verification as per IEC/EN 61439

DELIVERY PROGRAM

Product range RMQ-Titan

Basic function
Pushbutton actuators

oer IEC/EN 61439

Mounting hole diameter [□] 22.5 mm

Technical data ETIM 7.0

Single unit/Complete unit Single unit

Approvals

Design Guard-ring

Dimensions

momentary

Button plate

button plate Without button plate

Degree of Protection IP66, IP67, IP69 Front ring Bezel: titanium Connection to SmartWire-DT with SWD-RMQ connections **TECHNICAL DATA General** Standards IEC/EN 60947 VDE 0660 Lifespan, mechanical [Operations] $>5 \times 10^6$ Operating frequency [Operations/h] □ 3600 Actuating force $\square 5 n$ 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



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 [$P_{\mbox{\scriptsize kid}}$] 0 W

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

0 W

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

Heat dissipation capacity $[P_{\text{diss}}]$ 0 W

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

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 parts10.2.3.1 Verification of thermal stability of enclosuresMeets the product standard's requirements.

10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heatWeets 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 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

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 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

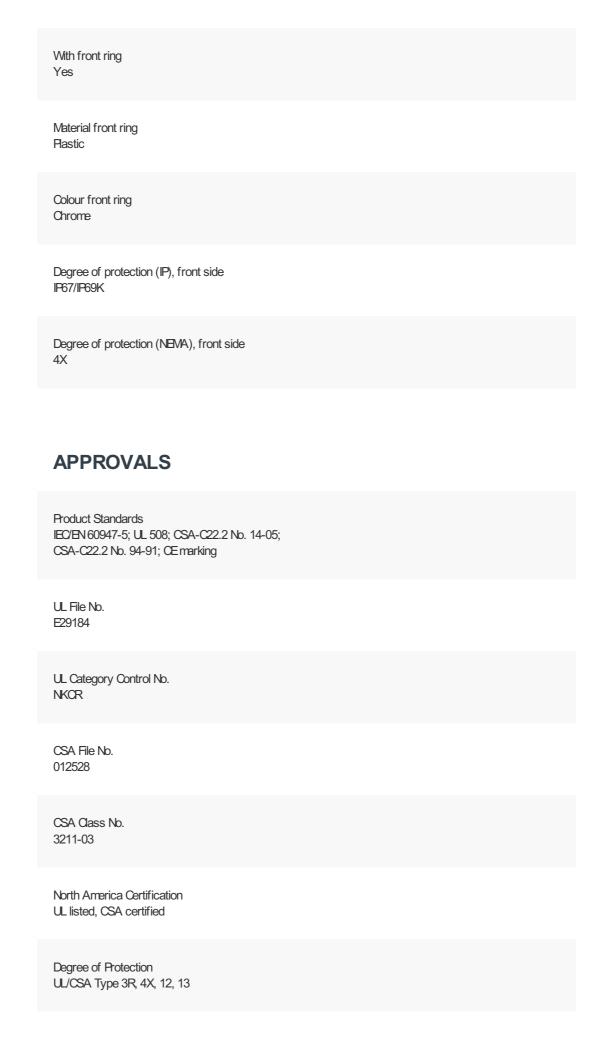
Low-voltage industrial components (EG000017) / Front element for push button (EC000221)

Bectric 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 Without button plate Number of command positions Construction type lens Round Hole diameter 22.5 mm Width opening $0 \, \text{mm}$ Height opening 0 mm Type of button Flat Suitable for illumination With protective cover No

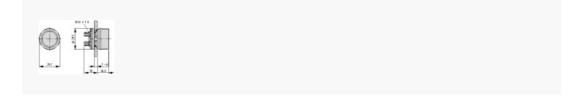
Labelled

Switching function latching No

Spring-return Yes



DIMENSIONS









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