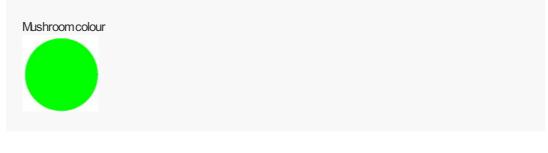
216753 M22-DRP-G-X1	
Overview Specifi	ications Resources
Delivery program	DELIVERY PROGRAM
Technical data	Product range RVQ-Titan
Design verification as per IEC/EN 61439	Basic function Mushroom-headed pushbutton
Technical data ETIM 7.0	Mounting hole diameter [□] 22.5 mm
Approvals	Single unit/Complete unit Single unit
Dimensions	Design Mushroom
	maintained
	Colour

Mushroom

green



### **Button plate**

button plate green

Button plate



inscribed

Degree of Protection IP66, IP67, IP69

Front ring Bezel: titanium

Connection to SmartWire-DT yes with SWD-RMQ connections

Function maintained

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  $\Box$  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  $[\mathsf{P}_{\text{id}}]$  0 W

Equipment heat dissipation, current-dependent [P<sub>id</sub>] 0 W

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

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

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

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 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 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 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 properties10.9.2 Pow er-frequency electric strengthIs the panel builder's responsibility.

10.9 Insulation properties10.9.3 Impulse withstand voltageIs 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 mushroom push-button (EC001038)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for mushroom push-button actuators (ecl@ss10.0.1-27-37-12-12 [AKF030014])

Colour button Green

Construction type lens Round

Diameter cap 36.5 mm Hole diameter 22.5 mm

Width opening 0 mm

Height opening 0 mm

Degree of protection (IP) IP67/IP69K

Degree of protection (NEVA) 4X

Type of button Flat

Suitable for illumination No

Switching function latching Yes

Spring-return Yes

With front ring Yes

Material front ring Pastic

Colour front ring Chrome

Suitable for emergency stop No

Unlocking method None

## **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









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