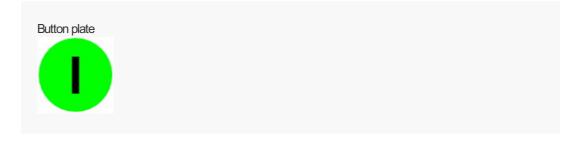
216977 M22-DLH-G-X1	
Overview Specific	cations Resources
Delivery program	DELIVERY PROGRAM
Technical data	Product range RVQ-Titan
Design verification as per IEC/EN 61439	Basic function Illuminated pushbutton actuators
Technical data ETIM7.0	Nounting hole diameter [□] 22.5 mm
Approvals	Single unit/Complete unit Single unit
Dimensions	Design Extended
	momentary
	Button plate

button plate

green



inscribed

Degree of Protection IP66, IP67, IP69

Front ring Bezel: titanium

Connection to SmartWire-DT yes with SWD-RIVQ connections

TECHNICAL DATA

General

Standards IEC/EN 60947 VDE 0660

Lifespan, mechanical [Operations] $> 5 \times 10^6$

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

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 $[\mathsf{R}_{id}]$ 0 W

Equipment heat dissipation, current-dependent $[\mathsf{P}_{id}]$ 0 W

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

Heat dissipation capacity $[P_{\text{diss}}]$ 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 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 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 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 Power-frequency electric strength Is 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 (EC000017) / 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 1

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 No

Spring-return Yes

With front ring Yes

Material front ring Pastic

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







9/9