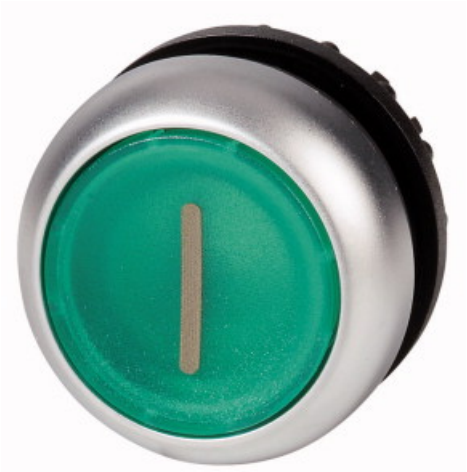
Powering Business Worldwide

M22-DRL-G-X1 - Illuminated pushbutton actuator, RMQ-Titan, Flush, maintained, green, inscribed, Bezel: titanium

216959 M22-DRL-G-X1

Overview Specifications Resources



216959 M22-DRL-G-X1

Illuminated pushbutton actuator, RMQ-Titan, Flush, maintained, green, inscribed, Bezel: titanium

Alternate Catalog No.	M22-DRL-G-X1Q
EL-Nummer (Norway)	4355643

Illuminated pushbutton actuator, Product range: RMQ-Titan, Single unit, Design: Flush, maintained, button plate: green, Button plate inscribed, Degree of Protection: IP66, IP67, IP69K, Bezel: titanium, Connection to SmartWire-DT: yes, with SWD-RMQ connections, Front dimensions: 29,7, Instructions: Stay-put/spring-return function can be changed on device, Standards: IEC/EN 60947, VDE 0660

- Delivery program
- Technical data
- Design verification as per IEC/EN 61439
- Technical data ETIM 7.0
- Approvals
- Dimensions

Delivery program

Product range
RMQ-Titan
Basic function
Illuminated pushbutton actuators
Mounting hole diameter [□]
22.5 mm
Single unit/Complete unit
Single unit
Design
Flush
maintained
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
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 10^6
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 temperatureOpen
-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_{vid}]
0 W
Equipment heat dissipation, current-dependent [P_{vid}]
0 W
Static heat dissipation, non-current-dependent [P_{vs}]
0 W
Heat dissipation capacity [P_{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 resistance
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.1 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 heat
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.3 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 parts10.2.4 Resistance to ultra-violet (UV) radiation
Please enquire
10.2 Strength of materials and parts10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.7 Inscriptions
Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES
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 voltage
Is the panel builder's responsibility.
10.9 Insulation properties10.9.4 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
1
Construction type lens
Round
Hole diameter
22.5 mm
Width opening
0 mm
Height opening
0 mm
Type of button
Flat
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 (NEMA), 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

CAD data

- Product-specific CAD data
  (Web)
- 3D Preview
  (Web)

DWG files

- DA-CD-drucktaste_flach
  File
  (Web)

edz files

- DA-CE-ETN.M22-DRL-G-X1
  File
  (Web)

Step files

- DA-CS-drucktaste_flach
  File
  (Web)

3D drawing

- 116I256
  Line drawing
  SmartWire-DT function elements, front, M22-SWD, flat

Dimensions single product

- 116X103
  Line drawing
  Pushbutton
- 116X214

Line drawing
Actuator and signalling element

Product photo

- 
  1160PIC-1104
  Photo

Symbol

- Germanischer Lloyd
  0000SPC-180
  Graphic
  Germanischer Lloyd approval for Germany (color logo)
- DNV
  0000SPC-183
  Logo
  Approval Norway Det Norske Veritas DNV
- 
  116C242
  Graphic
  Button plate, START

Instruction Leaflet

- RMQ-Titan System (IL04716002Z)
  Asset
  former AWA1160-1745, IL04716001E
  (PDF, 09/2020, multilingual)

StandardsSymbol

- Lloyd's Register TYPE APPROVED
  0000SPC-179
  Graphic
  Lloyd's Register approval for Great Britain

Declaration of Conformity

EU

- RMQ Titan (Operating and signalling devices) M22.../M30.../C22.../C30… (DA-DC-00003657)
  Asset
  (PDF)

UK

- RMQ Titan (Operating and signalling devices) M22.../M30.../C22.../C30… (DA-DC-00003960)
  Asset

(PDF)

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