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M22-D-G-X1/KC11/I - Pushbutton, RMQ-Titan, Enclosure, momentary, 1 NC, 1 NO, green, inscribed, Bezel: titanium



216522 M22-D-G-X1/KC11/I

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216522 M22-D-G-X1/KC11/I

Pushbutton, RMQ-Titan, Enclosure, momentary, 1 NC, 1 NO, green, inscribed, Bezel: titanium

Alternate Catalog No.

M22-D-G-X1-KC11-IQ

EL-Nummer (Norway)

4355295

Pushbutton complete device, in plastic surface mounting enclosure, with contacts 1 NO 1 NC, momentary, RMQ system, design: flush, button plate, green, flush mounting plate, diameter 22.3mm, clip-fit assembly, bezel color silver, degree of protection IP67, 69K, inscription: I

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Delivery program

Product range
RMQ-Titan
Basic function
Pushbutton actuators
Pushbutton actuators
Mounting hole diameter [□]
22.5 mm
Single unit/Complete unit
Complete unit
Design
Enclosure
momentary
Connection type
Screw connection
Number of locations
1 Qty.
Colour
Enclosure covers
Grey
RAL Value
RAL 7035
light grey, RAL 7035
Button plate
button plate
green

Button plate



inscribed

Degree of Protection

IP66, IP67, IP69

Front ring

Bezel: titanium

Connection to SmartWire-DT

no

Contacts

NC = Normally closed

1 NC

NO = Normally open

1 NO

Notes

= safety function, by positive opening to IEC/EN 60947-5-1

Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1

[mm]

4.8

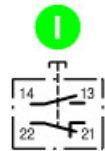
Maximum travel [mm]

5.7

Minimum force for positive opening [N]

20

Contact sequence



Technical data

General

Standards

IEC/EN 60947

VDE 0660

Lifespan, mechanical [Operations]

> 1 x 10⁶

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 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

Cable entry knockouts Base

2 x 16 Quantity x M..

Cable entry knockouts Sides

1 x 20

2 x 25/20 Quantity x M..

shipping classification

DNV

GL

LR



Germanischer Lloyd



Contacts

Rated conditional short-circuit current [I_{cs}]

1 kA

Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [I_r]

6 A

Heat dissipation per pole, current-dependent [P_{rd}]

0.11 W

Equipment heat dissipation, current-dependent [P_{rd}]

0 W

Static heat dissipation, non-current-dependent [P_{rs}]

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 parts 10.2.2 Corrosion resistance

Meets 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 parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets 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 parts 10.2.6 Mechanical impact

Does 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 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 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 properties 10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

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) / Control circuit devices combination in enclosure (EC000225)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Command and alarm device combination in housing (ecl@ss10.0.1-27-37-12-16 [AKF034014])

Number of command positions

1

Number of push buttons

1

Number of indicator lights

0

Number of key switches

0

Number of selector switches

0

Number of mushroom-shaped push-buttons

0

Suitable for emergency stop

No

Rated control supply voltage U_s at AC 50HZ

115 - 500 V

Rated control supply voltage U_s at AC 60HZ

115 - 500 V

Rated control supply voltage U_s at DC

24 - 220 V

Colour housing cover

Grey

Material housing

Plastic

Number of contacts as normally open contact

1

Number of contacts as normally closed contact

1

Number of contacts as change-over contact

0

Degree of protection (IP)

IP67/IP69K

Degree of protection (NEMA)

4X

Approvals

Product Standards

IEC/EN 60947-5; UL 508; CSA-C22.2 Nb. 14-05; CSA-C22.2 Nb. 94-91; CE marking

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-bg_d_aufbaug](#)
File
(Web)

edz files

- [DA-CE-ETN.M22-D-G-X1_KC11_I](#)
File
(Web)

Step files

- [DA-CS-bg_d_aufbaug](#)
File
(Web)

Product photo

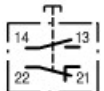


1160PIC-1634
Photo

3D drawing

- [116I292](#)
Line drawing
Push-button surface mounting

Wiring diagram



116Z001
Line drawing
1 make contact, 1 break contact

Dimensions single product

- [1160DIM-180](#)
Line drawing

Symbol



Germanischer Lloyd
0000SFC-180
Graphic
Germanischer Lloyd approval for Germany (color logo)



DNV
0000SFC-183
Logo
Approval Norway Det Norske Veritas DNV



116C062

Graphic
Button plate, grey



116C087

Graphic
Button plate, green

Instruction Leaflet

- [RMQ-Titan System \(IL04716002Z\)](#)
Asset
former AWA1160-1745, IL04716001E
(PDF, 09/2020, multilingual)
- [RMQ-Titan: Set of plaster keys \(IL04716003Z\)](#)
Asset
(PDF, multilingual)

StandardsSymbol

- [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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