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Powering Business Worldwide

Q18LT-GN - Illuminated pushbutton actuator, green, momentary



089067 Q18LT-GN

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089067 Q18LT-GN

Illuminated pushbutton actuator, green, momentary

Alternate Catalog No.

Q18LT-GN

EL-Nummer (Norway)

4356288

Illuminated pushbutton actuator, Product range: RMQ16, Single unit, Design: Flat, momentary, Description: without light elements, With base, W2x4,6d; max. 30 V, 1 W, button plate: green, Button plate Blank, Degree of Protection: IP65, Connection to SmartWire-DT: no, Front dimensions: 18 x 18

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

Delivery program

Product range

RMQ16

Basic function

Illuminated pushbutton actuators

Mounting hole diameter [□]

16 mm

Single unit/Complete unit

Single unit

Design

Flat

momentary

Description

without light elements

With base, W2x4,6d; max. 30 V, 1 W

Colour

Lens



Button plate
button plate
green

Button plate



Blank

Degree of Protection

IP65

Connection to SmartWire-DT

no

Technical data

General

Standards

IEC/EN 60947

Lifespan, mechanical [Operations]

$> 3 \times 10^6$

Operating frequency [Operations/h]

3600

Actuating force

4 n

Degree of protection, IEC/EN 60529

IP65

Climatic proofing

Damp heat, constant, to IEC 60068-2-78

Damp heat, cyclic, to IEC 60068-2-30

Ambient temperature Open

-25 - +60 °C

Ambient temperature Enclosed

- 25 - 40 °C

Mounting position

As required

Mechanical shock resistance

> 40

according to IEC 60068-2-27

Shock duration 11 ms

Sinusoidal g

Blade terminal

2.8 x 0.8 mm to DIN 46244

Fast-on connectors

2.8 x 0.8 mm to DIN 46247 and IEC 60760

Contacts

Rated impulse withstand voltage [U_{imp}]

800 V AC

Rated insulation voltage [U_i]

250 V

Overvoltage category/pollution degree

III/3

Rated operational voltage [U_e]

24 V AC

Control circuit reliability at 24 V DC/5 mA [H_F]

$< 10^{-7}$ (i.e. 1 failure to 10^7 operations) Fault probability

Control circuit reliability at 5 V DC/1 mA [H_F]

$< 5 \times 10^{-6}$ (1 failure in 5×10^6 operations) Fault probability

Use of insulated ferrule ISH 2,8

> 24 V AC/DC recommended

> 50 V AC or 120 V DC is mandatory, even on unused blade terminals

Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [I_t]

0 A

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

0 W

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

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.
+60 °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
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

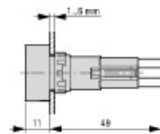
Low-voltage industrial components (EG000017) / Front element for push button (EC000221)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss10.0.1-27-37-12-10 [AKF028014])
Colour button
Green
Number of command positions
1
Construction type lens
Square
Hole diameter
16 mm
Width opening
0 mm
Height opening
0 mm

Type of button
Flat
Suitable for illumination
Yes
With protective cover
No
Labelled
No
Switching function latching
No
Spring-return
Yes
With front ring
Yes
Material front ring
Plastic
Colour front ring
Black
Degree of protection (IP), front side
IP65
Degree of protection (NEMA), front side
1

Approvals

Product Standards
IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CE marking
UL File No.
E29184
UL Category Control No.
NKCR
CSA File No.
46552
CSA Class No.
3211-03
North America Certification
UL listed, CSA certified
Degree of Protection
UL/CSA Type 1

Dimensions



Actuating and indicator elements
Square style

CAD data

- [Product-specific CAD data](#)
(Web)
- [3D Preview](#)
(Web)

DWG files

- [DA-CD-druck_18](#)
File
(Web)

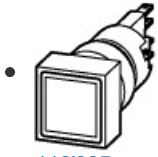
edz files

- [DA-CE-ETN.Q18LT-GN](#)
File
(Web)

Step files

- [DA-CS-druck_18](#)
File
(Web)

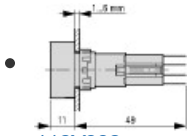
3D drawing



[116I005](#)

Line drawing
Illuminated pushbutton

Dimensions single product



[116X008](#)

Line drawing
Indicator light, illuminated pushbutton

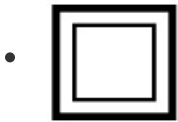
Product photo



[1160PIC-366](#)

Photo
Illuminated pushbutton

Symbol



[000Z051](#)

Graphic
Square style



[116C072](#)

Graphic
Button plate, green

Instruction Leaflet

- [Mounting of components \(IL04716016Z\)](#)
Asset
(PDF, multilingual)

Declaration of Conformity

EU

- [Operating and signalling devices RMQ 16 \(DA-DC-00003460\)](#)
Asset
(PDF)

UK

- [Operating and signalling devices RMQ 16 \(DA-DC-00003961\)](#)
Asset
(PDF)

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