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Powering Business Worldwide

Q18DR-SW - Pushbutton, black, maintained



086269 Q18DR-SW

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## 086269 Q18DR-SW

Pushbutton, black, maintained

Alternate Catalog No.

EL-Nummer (Norway)

Q18DR-SW

4356280

Pushbutton, Product range: RMQ16, Single unit, Design: Flat, maintained, button plate: black, Button plate Blank, Degree of Protection: IP65, without bezel, Connection to SmartWire-DT: no, Front dimensions: 18 x 18

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### Delivery program

Product range

RMQ16

Basic function

Pushbutton actuators

Mounting hole diameter [□]

16 mm

Single unit/Complete unit

Single unit

Design

Flat

maintained

Button plate

button plate

black

Button plate



Blank

Degree of Protection

IP65

Front ring

without bezel

Connection to SmartWire-DT

no

**Notes**

□#090351

## Technical data

### General

#### Standards

IEC/EN 60947, VDE 0660

Lifespan, mechanical [Operations]

> 3 x 10<sup>6</sup>

Operating frequency [Operations/h]

□ 1800

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

Terminal capacities

0.5 - 1.0 mm<sup>2</sup>

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

## Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [I<sub>r</sub>]

0 A

Heat dissipation per pole, current-dependent [P<sub>vid</sub>]

0 W

Equipment heat dissipation, current-dependent [P<sub>vid</sub>]

0 W

Static heat dissipation, non-current-dependent [P<sub>vs</sub>]

0 W

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

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

Black

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

No

With protective cover

No

Labelled

No

Switching function latching

Yes

Spring-return

No

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

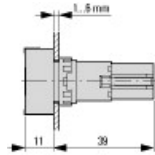
1

## Approvals

Product Standards

IEC/EN 60947-5; UL 508; CSA-C22.2 Nb. 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)

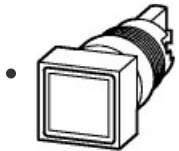
## edz files

- [DA-CE-ETN.Q18DR-SW](#)  
File  
(Web)

## Step files

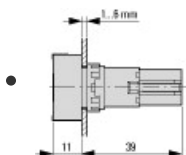
- [DA-CS-druck\\_18](#)  
File  
(Web)

## 3D drawing



116I001  
Line drawing  
Pushbutton

## Dimensions single product



116X003

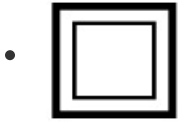
Line drawing  
Pushbutton

## Product photo



1160PIC-1377  
Photo  
pushbutton

## Symbol



000Z051  
Graphic  
Square style



1160073  
Graphic  
Button plate, black

## 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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