

# Eaton 216927

Catalog Number: 216927

Eaton Moeller® series M22 Illuminated pushbutton actuator, RMQ-Titan, Flush, momentary, green, Blank, Bezel: titanium

General specifications



Photo is representative

Product Name	Catalog Number
Eaton Moeller® series M22 Illuminated pushbutton actuator	216927
	EAN
	4015082169275
Model Code	Product Length/Depth
M22-DL-G	30 mm
Product Height	Product Width
30 mm	30 mm
Product Weight	Compliances
0.01 kg	CE Marked
Certifications	
CSA Std. C22.2 No. 94-91	
EN 60947-5	
IEC 60947-5	
CSA Std. C22.2 No. 14-05	
UL 508	
VDE	
UL Category Control No.: NKCR	
CSA File No.: 012528	
CSA-C22.2 No. 14-05	
UL	
IEC/EN 60947-5	
UL File No.: E29184	
VDE 0660	
CE	
CSA-C22.2 No. 94-91	
IEC/EN 60947	
CSA Class No.: 3211-03	

## Features & Functions

### Bezel color

Titanium

### Bezel material

Plastic

### Design

Flush

Classical

### Fitted with:

Front ring

### Inscription

Blank

### Material

Titanium front ring

## General

### Degree of protection

NEMA 12

NEMA 13

IP67

NEMA 3R

IP66

IP69K

NEMA 4X

### Degree of protection (front side)

NEMA 4X

IP67/IP69K

### Lifespan, mechanical

5,000,000 Operations

### Opening diameter

22.5 mm

### Operating frequency

3600 Operations/h

### Product category

RMQ-Titan

### Size

Front dimensions: 22 x 22 mm

### Suitable for

Illumination

### Type

Illuminated pushbutton actuator

## Ambient conditions, mechanical

### Mounting position

As required

### Shock resistance

Mechanical, According to IEC/EN 60068-2-27

30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

## Climatic environmental conditions

### Ambient operating temperature - min

-25 °C

### Ambient operating temperature - max

70 °C

### Climatic proofing

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

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

## Communication

## Actuator

Connection to SmartWire-DT  
With SWD-RMQ connections  
Yes

Actuating force  
5 N  
  
Actuator color  
Green

Actuator function  
Momentary  
Spring-return

## Contacts

Force for positive opening - min  
0 N

## Design verification

Equipment heat dissipation, current-dependent P<sub>vid</sub>  
0 W

Heat dissipation capacity P<sub>diss</sub>  
0 W

Heat dissipation per pole, current-dependent P<sub>vid</sub>  
0 W

Rated operational current for specified heat dissipation (I<sub>n</sub>)  
0 A

Static heat dissipation, non-current-dependent P<sub>vs</sub>  
0 W

### 10.2.2 Corrosion resistance

Meets the product standard's requirements.

### 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

### 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

### 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

### 10.2.4 Resistance to ultra-violet (UV) radiation

Please enquire

### 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

### 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

### 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.

#### 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

#### 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

#### 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.

## Resources

### Catalogs

Flip catalog - Product Range Catalog - Command and indication

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

### Certification reports

[0000SPC-179](#)

[0000SPC-183](#)

### Declarations of conformity

[DA-DC-00004135.pdf](#)

[DA-DC-00004157.pdf](#)

### Drawings

[116X103](#)

[eaton-operating-actuation-m22-dimensions-002.eps](#)

[116X214](#)

[eaton-operating-pushbutton-m22-dimensions-004.eps](#)

### Drawings

[eaton-operating-button-symbol-004.eps](#)

[116I256](#)

[0000SPC-180](#)

[eaton-operating-samrtwire-m22-3d-drawing.eps](#)

[eaton-general-approval-m22-symbol.eps](#)

[eaton-general-m22-standards.eps](#)

[116C059](#)

[eaton-general-m22-symbol.eps](#)

### eCAD model

[ETN.M22-DL-G](#)

[ETN.216927.edz](#)

### Installation instructions

[eaton-operating-devices-rmq-titan-m22-instruction-leaflet-il047018zu.pdf](#)

[IL04716002Z](#)

### Installation videos

[RMQ Flat Design](#)

### mCAD model

[eaton-cadenas-side\\_view-drucktaste\\_flach\\_side.pra](#)

DA-CD-drucktaste\_flach

eaton-cadenas-front\_view-drucktaste\_flach\_front.pra

DA-CS-drucktaste\_flach

eaton-cadenas-path-temp-drucktaste\_flach.3db

## Multimedia

MCI Multicolor Light Indicator M22 with SmartWire-DT

RMQ small E-Stop emergency-stop button

easyE4 SmartWire-DT module with Remote Touch Display and RMQ  
multi color indicator

MCI MultiColor Light Indicator RMQ compact solution

## Sales notes

eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf

eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf

eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf

eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf

## System overview

Pilot devices - selection aid



Eaton Corporation plc  
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30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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