

# Eaton 216931

Catalog Number: 216931

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

## General specifications

<b>Product Name</b>	<b>Catalog Number</b>
Eaton Moeller® series M22 Illuminated pushbutton actuator	216931
	<b>Model Code</b>
	M22-DL-B
<b>EAN</b>	<b>Product Length/Depth</b>
4015082169312	30 mm
<b>Product Height</b>	<b>Product Width</b>
30 mm	30 mm
<b>Product Weight</b>	<b>Compliances</b>
0.01 kg	CE Marked

### Certifications

CSA Std. C22.2 No. 94-91  
IEC 60947-5  
CSA Std. C22.2 No. 14-05  
UL 508  
EN 60947-5  
VDE  
UL Category Control No.: NKCR  
CSA Class No.: 3211-03  
CSA-C22.2 No. 94-91  
IEC/EN 60947  
IEC/EN 60947-5  
CSA-C22.2 No. 14-05  
UL File No.: E29184  
UL  
CE  
VDE 0660  
CSA

## Product specifications

### Rated operational current for specified heat dissipation (In)

0 A

### 10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

### Opening diameter

22.5 mm

### 10.4 Clearances and creepage distances

Meets the product standard's requirements.

### 10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

### 10.2.5 Lifting

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

### Design

Flush

Classical

### 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

### Front element type

Flat

### Fitted with:

Front ring

### Inscription

Blank

### Degree of protection (front side)

IP67/IP69K

NEMA 4X

### Force for positive opening - min

0 N

### 10.8 Connections for external conductors

Is the panel builder's responsibility.

### Actuating force

5 N

### Ambient operating temperature - max

## Resources

### Brochures

[RMQ Titan - brochure](#)

[RMQ Titan emergency stop push button - Flyer](#)

[RMQ Flat Enclosure - Flyer](#)

[RMQ Small E-Stop - Flyer](#)

[RMQ MCI - Flyer](#)

### Catalogs

[Flip catalog - Product Range Catalog - Command and indication](#)

[Product Range Catalog Command and Indication Control Circuit Devices, Signal Towers](#)

### Certification reports

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

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

### Drawings

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

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

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

[eaton-operating-symbol-002.eps](#)

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

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

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

### eCAD model

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

### Installation instructions

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

[IL0471600Z](#)

### Installation videos

[RMQ Flat Design](#)

### mCAD model

[DA-CS-drucktaste\\_flach](#)

[DA-CD-drucktaste\\_flach](#)

### System overview

[Pilot devices - selection aid](#)

70 °C

#### Bezel color

Titanium

#### Climatic proofing

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

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

#### Connection to SmartWire-DT

With SWD-RMQ connections

Yes

#### Number of command positions

1

#### Static heat dissipation, non-current-dependent Pvs

0 W

#### 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

#### Ambient operating temperature - min

-25 °C

#### 10.6 Incorporation of switching devices and components

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

#### 10.5 Protection against electric shock

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

#### Mounting position

As required

#### Actuator function

Momentary

Spring-return

#### Button color

Blue

#### 10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

#### 10.2.6 Mechanical impact

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

#### 10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

### 10.3 Degree of protection of assemblies

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

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

0 W

#### Operating frequency

3600 Operations/h

#### Product category

RMQ-Titan

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

0 W

#### Heat dissipation capacity P<sub>diss</sub>

0 W

#### Suitable for

Illumination

#### Width opening

0 mm

### 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.

#### Lifespan, mechanical

5,000,000 Operations

#### Bezel material

Plastic

### 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

#### Degree of protection

IP66

NEMA 4X

NEMA 12

NEMA 13

IP67

NEMA 3R

IP69K

#### Actuator color

Blue

#### Opening height

0 mm

#### 10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

#### 10.10 Temperature rise

Not applicable.

#### Size

Front dimensions: 22 x 22 mm

#### Lens type

Round

#### Type

Illuminated pushbutton actuator

#### 10.2.2 Corrosion resistance

Meets the product standard's requirements.

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

Please enquire

#### 10.2.7 Inscriptions

Meets the product standard's requirements.

#### Shock resistance

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

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



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