

# Eaton 216743

Catalog Number: 216743

Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom black, black, Blank, Bezel: titanium



General specifications

Product Name	Catalog Number
Eaton Moeller® series M22 Mushroom actuator	216743
	Model Code
	M22-DRP-S
EAN	Product Length/Depth
4015082167431	37 mm
Product Height	Product Width
43 mm	37 mm
Product Weight	Compliances
0.016 kg	CE Marked

Certifications

CSA Std. C22.2 No. 94-91  
EN 60947-5  
UL 508  
CSA Std. C22.2 No. 14-05  
IEC 60947-5  
VDE  
UL  
UL File No.: E29184  
VDE 0660  
UL Category Control No.: NKCR  
CSA  
CE  
CSA File No.: 012528  
IEC/EN 60947  
CSA-C22.2 No. 14-05  
CSA Class No.: 3211-03

## Features & Functions

### Bezel color

Titanium

### Bezel material

Plastic

### Design

Mushroom-shaped

Classical

### Fitted with:

Front ring

### Illumination

Non-illuminated

### Inscription

Blank

### RAL-number

9005

### Unlocking method

None

## General

### Degree of protection

IP67/IP69K

NEMA 4X, 13

### Lifespan, mechanical

1,000,000 Operations (AC operated)

### Opening diameter

22.5 mm

### Operating frequency

1800 Operations/h

### Product category

RMQ-Titan

### Size

Front dimensions: 22 x 22 mm

### Type

Mushroom-headed pushbutton

## 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

### Ambient storage temperature - min

40 °C

### Ambient storage temperature - max

80 °C

### Climatic proofing

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

## Communication

### Connection to SmartWire-DT

With SWD-RMQ connections

Yes

## Actuator

### Actuating force

5 N

### Actuator color

Black

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

Actuator function

Maintained

Switching function latching

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

### Catalogues

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

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

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

### Certification reports

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

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

### Drawings

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

[eaton-operating-m22-mushroom-actuator-dimensions.eps](#)

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

[eaton-operating-button-symbol-005.eps](#)

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

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

### eCAD model

[ETN.216743.edz](#)

### Installation instructions

[IL04716002Z](#)

### Installation videos

[RMQ Flat Design](#)

### mCAD model

[DA-CD-pilzdrucktaste](#)

[DA-CS-pilzdrucktaste](#)

### Multimedia

[easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator](#)

[MCI Multicolor Light Indicator M22 with SmartWire-DT](#)

[RMQ small E-Stop emergency-stop button](#)

[MCI MultiColor Light Indicator RMQ compact solution](#)

### Sales notes

[eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf](#)

[eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf](#)

[eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf](#)

[eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf](#)

### System overview



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