

# Eaton 216881

Catalog Number: 216881

Eaton Moeller® series M22 Key-operated actuator, momentary, 2 positions, Key withdrawable: 0, Bezel: titanium

### General specifications



Photo is representative

#### Product Name

Eaton Moeller® series M22 Key-operated actuator

#### Catalog Number

216881

#### EAN

4015082168810

#### Model Code

M22-WS

#### Product Length/Depth

70 mm

#### Product Height

30 mm

#### Product Width

30 mm

#### Product Weight

0.034 kg

#### Compliances

CE Marked

#### Certifications

EN 60947-5

CSA Std. C22.2 No. 14-05

UL 508

CSA Std. C22.2 No. 94-91

IEC 60947-5

VDE

VDE 0660

CSA

CSA-C22.2 No. 94-91

CSA File No.: 012528

IEC/EN 60947

UL File No.: E29184

CSA Class No.: 3211-03

CSA-C22.2 No. 14-05

CE

IEC/EN 60947-5

UL

## Features & Functions

### Bezel color

Titanium

### Bezel material

Plastic

### Design

Key operated

Classical

### Fitted with:

Front ring

### Functions

Stay-put/spring-return function, can be changed with coding parts M22-XC-Y

## General

### Accessories

1 key included with supplied equipment.

### Degree of protection

NEMA 4X, 13

### Degree of protection (front side)

IP66

### Lifespan, mechanical

100,000 Operations

### Opening diameter

22.5 mm

### Operating frequency

100 Operations/h

### Operating torque

0.5 Nm

### Overvoltage category

III

### Pollution degree

3

### Product category

RMQ-Titan

### Size

Front diameter: 29.7 mm

### Switching angle

40 °

### Type

Key-operated button

## 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, cyclic, to IEC 60068-2-30

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

## Communication

Connection to SmartWire-DT

Yes

With SWD-RMQ connections

## Actuator

Actuator color

Black

Actuator function

Spring-return

Key withdrawable in position 0

Momentary

Actuator type

Key

Number of switch positions

2

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

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

### Certification reports

[0000SPC-183](#)

[0000SPC-179](#)

### Declarations of conformity

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

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

### Drawings

[eaton-operating-key-operated-actuator-dimensions-005.eps](#)

[116X197](#)

### Drawings

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

[0000SPC-180](#)

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

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

### eCAD model

[ETN.M22-WS](#)

[ETN.216881.edz](#)

### Installation instructions

[IL04716002Z](#)

### Installation videos

[RMQ Flat Design](#)

### mCAD model

[eaton-cadenas-front\\_view-schluesseltaste\\_ms\\_front.pra](#)

[DA-CD-schluesseltaste\\_ms](#)

[eaton-cadenas-path-temp-schluesseltaste\\_ms.3db](#)

[eaton-cadenas-side\\_view-schluesseltaste\\_ms\\_side.pra](#)

[DA-CS-schluesseltaste\\_ms](#)

### Multimedia

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

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

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

[multi color indicator](#)

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

### Sales notes

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

[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](#)

### Specifications and datasheets

[Eaton Specification Sheet - 216881](#)

### System overview

[Pilot devices - selection aid](#)



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