

# Eaton 216839

Catalog Number: 216839

Eaton Moeller® series M22 Illuminated selector switch actuator, RMQ-Titan, With thumb-grip, momentary, 3 positions, yellow, Bezel: titanium



General specifications

Product Name	Catalog Number
Eaton Moeller® series M22 Illuminated selector switch actuator	216839
	Model Code
	M22-WLK3-Y
EAN	Product Length/Depth
4015082168391	46 mm
Product Height	Product Width
30 mm	30 mm
Product Weight	Compliances
0.013 kg	CE Marked

Certifications

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

## Features & Functions

### Bezel color

Titanium

### Bezel material

Plastic

### Color

Yellow

### Design

With thumb-grip

### Fitted with:

Front ring

### Functions

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

## General

### Accessories

Thumb grip

### Degree of protection

NEMA 4X, 13

### Degree of protection (front side)

IP66

### Lifespan, mechanical

100,000 Operations

### Opening diameter

22.5 mm

### Operating frequency

2000 Operations/h

### Operating torque

0.3 Nm

### Overvoltage category

III

### Pollution degree

3

### Product category

RMQ-Titan

### Size

Front diameter: 29.7 mm

### Suitable for

Illumination

### Switching angle

40 °

### Type

Illuminated selector switch actuator

## Ambient conditions, mechanical

### Mounting position

As required

### Shock resistance

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

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

Climatic proofing

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

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

Communication

Connection to SmartWire-DT

With SWD-RMQ connections

Yes

Actuator

Actuator color

Black

Actuator function

Momentary

Spring-return

Actuator type

Toggle

Number of switch positions

3

Contacts

Force for positive opening - min

0 N

Design verification

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdis

0 W

Heat dissipation per pole, current-dependent Pvid

0 W

Rated operational current for specified heat dissipation (In)

0 A

Static heat dissipation, non-current-dependent Pvs

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.

## Resources

### Catalogues

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

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

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

### Certification reports

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

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

### Drawings

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

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

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

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

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

[eaton-operating-button-symbol-008.eps](#)

### eCAD model

[ETN.216839.edz](#)

### Installation instructions

[IL04716002Z](#)

### Installation videos

[RMQ Flat Design](#)

### mCAD model

[DA-CD-wahltaste\\_knebel](#)

[DA-CS-wahltaste\\_knebel](#)

### Multimedia

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

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

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

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

### Sales notes

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

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

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

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

### System overview

### 10.13 Mechanical function

Pilot devices - selection aid

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



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