Specifications

# Eaton 216646



## Catalog Number: 216646

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, momentary, yellow, Blank, Bezel: titanium

### General specifications

**Product Name**
Eaton Moeller® series M22 Pushbutton

**Catalog Number**
216646

**EAN**
4015082166465

**Product Length/Depth**
30 mm

**Product Height**
35 mm

**Product Width**
30 mm

**Product Weight**
0.012 kg

**Compliances**
CE Marked

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

Powering Business Worldwide

## Features & Functions

### Bezel color

Titanium

### Bezel material

Plastic

### Design

Extended

Classical

### Fitted with:

Front ring

### Inscription

Blank

## General

### Degree of protection

NEMA 4X

IP69K

NEMA 12

IP66

IP67

NEMA 3R

NEMA 13

### Degree of protection (front side)

IP67/IP69K

NEMA 4X

### 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

### Type

Pushbutton actuator

## Ambient conditions, mechanical

### Mounting position

As required

### Shock resistance

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

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

## 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

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

## Communication

Connection to SmartWire-DT

Yes

With SWD-RMQ connections

## Actuator

Actuating force

5 N

Actuator color

Yellow

Actuator function

Spring-return

Momentary

## Contacts

Force for positive opening - min

0 N

## Design verification

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

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.

### 10.13 Mechanical function

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

## Resources

### Catalogs

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

### Declarations of conformity

DA-DC-00004135.pdf

DA-DC-00004157.pdf

### Drawings

eaton-operating-pushbutton-m22-dimensions.eps

eaton-operating-pushbutton-m22-dimensions-005.eps

eaton-operating-samrtwire-m22-3d-drawing-002.eps

eaton-general-approval-m22-symbol.eps

eaton-general-m22-symbol.eps

eaton-general-m22-standards.eps

eaton-operating-button-symbol-008.eps

### eCAD model

ETN.216646.edz

### Installation instructions

IL04716002Z

### Installation videos

RMQ Flat Design

### mCAD model

DA-CS-drucktaste_hoch

DA-CD-drucktaste_hoch

### Multimedia

MCI MultiColor Light Indicator RMQ compact solution

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

### Sales notes

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

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

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

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

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