Specifications

# Eaton 216668

## Catalog Number: 216668

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Extended, maintained, red, Blank, Bezel: black



### General specifications

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

**Catalog Number**
216668

**EAN**
4015082166687

**Product Length/Depth**
30 mm

**Product Height**
35 mm

**Product Width**
30 mm

**Product Weight**
0.013 kg

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

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## Features & Functions

### Bezel color

Black

### Bezel material

Plastic

### Design

Extended

Classical

### Fitted with:

Front ring

### Functions

Stay-put/spring-return function can be changed on device

### Inscription

Blank

## General

### Degree of protection

NEMA 13

NEMA 3R

IP67

IP66

NEMA 12

IP69K

NEMA 4X

### Degree of protection (front side)

IP67/IP69K

NEMA 4X

### 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

Pushbutton actuator

## 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, constant, to IEC 60068-2-78

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

Red

Actuator function

Switching function latching

Maintained

## 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

eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf

Flip catalog - Product Range Catalog - Command and indication

### Declarations of conformity

DA-DC-00004135.pdf

DA-DC-00004157.pdf

### Drawings

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

eaton-operating-pushbutton-m22-dimensions.eps

eaton-general-m22-symbol.eps

eaton-operating-button-symbol-006.eps

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

eaton-general-approval-m22-symbol.eps

eaton-general-m22-standards.eps

### eCAD model

ETN.216668.edz

### Installation instructions

IL04716002Z

### Installation videos

RMQ Flat Design

### mCAD model

DA-CD-drucktaste_hoch

DA-CS-drucktaste_hoch

### Multimedia

RMQ small E-Stop emergency-stop button

MCI MultiColor Light Indicator RMQ compact solution

easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator

MCI Multicolor Light Indicator M22 with SmartWire-DT

### Sales notes

eaton-rmq-small-e-stop-flyer-fl047006en-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-control circuit-devices rmq-titan-fl144090en-en-us.pdf

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