Specifications

# Eaton 216808



## Catalog Number: 216808

Eaton Moeller® series M22 Illuminated pushbutton actuator, RMQ-Titan, Extended, maintained, red, inscribed, Bezel: black

### General specifications

**Product Name**
Eaton Moeller® series M22 Illuminated pushbutton actuator

**Catalog Number**
216808

**EAN**
4015082168087

**Product Length/Depth**
30 mm

**Product Height**
35 mm

**Product Width**
30 mm

**Product Weight**
0.013 kg

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

Powering Business Worldwide

## Features & Functions

### Bezel color
Black

### Bezel material
Plastic

### Design
Extended
Classical

### Features
Labelled

### Fitted with:
Front ring

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

### Inscription
Inscribed

## General

### Degree of protection
IP66
NEMA 4X
IP69K
IP67
NEMA 3R
NEMA 13
NEMA 12

### 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 diameter: 29.7 mm

### Suitable for
Illumination

### Type
Illuminated 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

### Climatic proofing
Damp heat, constant, to IEC 60068-2-78
Damp heat, cyclic, to IEC 60068-2-30

## Communication

## Actuator

### Connection to SmartWire-DT

With SWD-RMQ connections

Yes

### 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

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-00004157.pdf

DA-DC-00004135.pdf

### Drawings

eaton-operating-pushbutton-m22-dimensions.eps

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

eaton-general-m22-standards.eps

eaton-general-m22-symbol.eps

eaton-operating-button-m22-symbol-011.eps

eaton-general-approval-m22-symbol.eps

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

### eCAD model

ETN.216808.edz

### Installation instructions

IL04716002Z

### Installation videos

RMQ Flat Design

### mCAD model

DA-CD-drucktaste_hoch

DA-CS-drucktaste_hoch

### 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-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 Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Eaton.com/socialmedia