

# Eaton 216509

Catalog Number: 216509

Eaton Moeller® series M22 Double actuator pushbutton, RMQ-Titan, Actuators and indicator lights non-flush, momentary, 1 NC, 1 N/O, White lens, LED element, 85 - 264 V AC, green, red, inscribed, Bezel: titanium

## General specifications



### Product Name

Eaton Moeller® series M22 Double actuator pushbutton

### EAN

4015082165093

### Product Height

55 mm

### Product Weight

0.015 kg

### Catalog Number

216509

### Model Code

M22-DDL-GR-X1/X0/K11/230-W

### Product Length/Depth

30 mm

### Product Width

30 mm

### Certifications

CSA-C22.2 No. 94-91

CSA Class No.: 3211-03

CSA-C22.2 No. 14-05

IEC/EN 60947-5

UL File No.: E29184

UL

CSA

CSA File No.: 012528

IEC/EN 60947

CE

UL 508

UL Category Control No.: NKCR

VDE 0660

DNV

## defaultTaxonomyAttributeLabel

## Type

Double actuator

## Actuator color

Green, red

## Features

Transparent

## Actuator function

Spring-return

Momentary

## 10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

## 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.

## 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.

## 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](#)

## Certification reports

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

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

## Drawings

[eaton-operating-pushbutton-m22-double-actuator-pushbutton-dimensions.eps](#)

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

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

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

[eaton-operating-button-m22-double-actuator-pushbutton-symbol-010.eps](#)

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

## eCAD model

[DA-CE-ETN.M22-DDL-GR-X1\\_X0\\_K11\\_230-W](#)

## Installation instructions

[IL04716002Z](#)

## Installation videos

[RMQ Flat Design](#)

## mCAD model

[DA-CD-bg\\_dd\\_1led1](#)

[DA-CS-bg\\_dd\\_1led1](#)

## Multimedia

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

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

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

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

## Sales notes

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

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

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

#### 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.

#### Electric connection type

Screw connection

#### Fitted with:

Front ring

LED element

#### Operating frequency

1800 Operations/h

#### Pollution degree

3

#### Climatic proofing

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

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

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

#### Specifications and datasheets

[Eaton Specification Sheet - 216509](#)

#### System overview

[Pilot devices - selection aid](#)

#### Wiring diagrams

[eaton-operating-diagram-m22-double-actuator-pushbutton-wiring-diagram.eps](#)

Connection to SmartWire-DT

No

Bezel color

Chrome

Actuating force

5 N

Actuator travel and actuation force (DIN EN 60947-5-1)

4.8 mm

Ambient operating temperature - max

70 °C

Ambient operating temperature - min

-25 °C

Equipment heat dissipation, current-dependent P<sub>vid</sub>

0 W

Force for positive opening - min

15 N

Heat dissipation capacity P<sub>diss</sub>

0 W

Heat dissipation per pole, current-dependent P<sub>vid</sub>

0.11 W

Knob travel

5.7 mm

Lamp voltage - max

230 V

Number of command positions

2

Number of contacts (change-over contacts)

0

Number of contacts (normally closed contacts)

1

Number of contacts (normally open contacts)

1

Bezel material

Plastic

Design

Non-Flush

Classical

Mounting position

As required

Light color

White

Rated conditional short-circuit current (Iq)

1 kA

Connection type

Screw connection

Overvoltage category

III

Degree of protection

NEMA 4X, 13

IP66

Inscription

Inscribed

Front element type

Flat

Lens type

Round

Shock resistance

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

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

Lifespan, mechanical

1,000,000 Operations (AC operated)

Opening diameter

22.5 mm

Opening height

0 mm

Rated operational current for specified heat dissipation (In)

6 A

Static heat dissipation, non-current-dependent Pvs

1 W

Width opening

0 mm

Product category

RMQ-Titan

Size

Front dimensions: 29,7 x 54,7 mm

Suitable for

Illumination



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Eaton.com

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