

# Eaton 188177

Catalog Number: 188177

Eaton Moeller® series M30 Key-operated actuator, Flat Front, momentary, 2 positions 0, Bezel: stainless steel, Suitable for master key systems



### General specifications

#### Product Name

Eaton Moeller® series M30 Key-operated actuator

#### Catalog Number

188177

#### Product Length/Depth

36 mm

#### Product Height

75 mm

#### Product Width

46 mm

#### Product Weight

0.085 kg

#### Certifications

VDE 0660

IEC/EN 60947

CSA file No. 012528

CSA Class No.: 3211-03

DNV

UL File No.: E29184

GL

IEC/EN 60947-5

UL 508

CSA-C22.2 No. 14-05

CSA-C22.2 No. 94-91

CE marking

UL Category Control No.: NKCR

UL Listed

CSA certified

## Features & Functions

### Bezel color

Stainless steel

### Bezel material

Metal

### Design

Key operation lock mechanism

Flat front

### Fitted with:

Front ring

## General

### Accessories

2 keys included with supplied equipment.

### Degree of protection

NEMA 4X, 13

### Degree of protection (front side)

IP66

### Lifespan, mechanical

100,000 Operations

### Opening diameter

30 mm

### Operating frequency

100 Operations/h

### Operating torque

0.5 Nm

### Overvoltage category

III

### Pollution degree

3

### Product category

RMQ-Titan

### Size

Front dimensions: Ø 36 mm

### Suitable for

Master key systems

### Switching angle

40 °

### Type

Key-operated button

## Ambient conditions, mechanical

### Mounting position

As required

### Shock resistance

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

15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal

## Climatic environmental conditions

### Ambient operating temperature - min

-25 °C

### Ambient operating temperature - max

70 °C

shock 11 ms

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

Actuator color

Black

Actuator function

Spring-return

Key withdrawable in position 0

Momentary

Actuator type

Key

Number of switch positions

2

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

### 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](#)

### Drawings

[eaton-operating-m30-dimensions-004.eps](#)

[eaton-operating-m30-dimensions-006.eps](#)

[eaton-operating-m30-key-operated-actuator-dimensions-002.eps](#)

[eaton-operating-m30-dimensions-005.eps](#)

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

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

[eaton-operating-m30-key-operated-actuator-3d-drawing-002.eps](#)

### eCAD model

[ETN.188177.edz](#)

### Installation instructions

[eaton-operating-devices-m30-rmq-titan-flat-front-instruction-leaflet-il047019zu.pdf](#)

### Installation videos

[RMQ Flat Design](#)

### mCAD model

[DA-CS-schluesseltaste\\_sa\\_flatfront](#)

[DA-CD-schluesseltaste\\_sa\\_flatfront](#)

### Multimedia

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

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

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

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

### Sales notes

[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](#)

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

### System overview

[Pilot devices - selection aid](#)

### 10.13 Mechanical function

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



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