

Eaton 188173

Catalog Number: 188173

Eaton Moeller® series M30 Key-operated actuator, Flat Front, momentary, 2 positions, MS1–MS20, Key withdrawable: 0, Bezel: stainless steel



General specifications

Product Name

Eaton Moeller® series M30 Key-operated actuator

Catalog Number

188173

Product Length/Depth

36 mm

Product Height

67 mm

Product Width

46 mm

Product Weight

0.06 kg

Certifications

IEC/EN 60947

VDE 0660

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

Functions

Stay-put/spring-return function, can be changed with coding parts M22-XC-Y

Key code

Selectable

General

Accessories

1 key 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

Switching angle

40 °

Type

Key-operated button

Ambient conditions, mechanical

Mounting position

As required

Shock resistance

15 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

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

Actuator color

Black

Actuator function

Key withdrawable in position 0

Spring-return

Momentary

Actuator type

Key

Number of switch positions

2

Contacts

Force for positive opening - min

0 N

Design verification

Equipment heat dissipation, current-dependent P_{vid}

0 W

Heat dissipation capacity P_{diss}

0 W

Heat dissipation per pole, current-dependent P_{vid}

0 W

Rated operational current for specified heat dissipation (I_n)

0 A

Static heat dissipation, non-current-dependent P_{vs}

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](#)

Drawings

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

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

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

eCAD model

[ETN.188173.edz](#)

Installation instructions

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

Installation videos

[RMQ Flat Design](#)

mCAD model

[DA-CD-schluesseltaste_ms_flatfront](#)

[DA-CS-schluesseltaste_ms_flatfront](#)

[DA-CS-schluesseltaste_sa_flatfront](#)

[DA-CD-schluesseltaste_sa_flatfront](#)

Multimedia

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

[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](#)

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](#)



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