

Eaton 216887

Catalog Number: 216887

Eaton Moeller® series M22 Key-operated actuator, maintained, 2 positions, Key withdrawable: 0, I, Bezel: titanium M22-WRS

General specifications



Product Name

Eaton Moeller® series M22 Key-operated actuator

Catalog Number

216887

EAN

4015082168872

Model Code

M22-WRS

Product Length/Depth

70 mm

Product Height

30 mm

Product Width

30 mm

Product Weight

0.031 kg

Compliances

CE Marked

Certifications

EN 60947-5

CSA Std. C22.2 No. 94-91

CSA Std. C22.2 No. 14-05

UL 508

IEC 60947-5

VDE

CSA-C22.2 No. 94-91

UL Category Control No.: NKCR

CSA-C22.2 No. 14-05

IEC/EN 60947

CE

CSA File No.: 012528

CSA Class No.: 3211-03

IEC/EN 60947-5

CSA

UL

VDE 0660

Features & Functions

Bezel color

Titanium

Bezel material

Plastic

Color

Black

Design

Key operated

Classical

Fitted with:

Front ring

Functions

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

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

22.5 mm

Operating frequency

100 Operations/h

Operating torque

0.5 Nm

Overvoltage category

III

Pollution degree

3

Product category

RMQ-Titan

Size

Front diameter: 29.7 mm

Switching angle

60 °

Type

Key-operated button

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, 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

Maintained

Switching function latching

Key withdrawable in position 0

Key withdrawable in position 1

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](#)

Certification reports

[0000SPC-179](#)

[0000SPC-183](#)

Declarations of conformity

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

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

Drawings

[116X197](#)

[eaton-operating-key-operated-actuator-dimensions-005.eps](#)

Drawings

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

[0000SPC-180](#)

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

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

eCAD model

[ETN.216887.edz](#)

[ETN.M22-WRS](#)

Installation instructions

[IL04716002Z](#)

Installation videos

[RMQ Flat Design](#)

mCAD model

[eaton-cadenas-side_view-schluesseltaste_ms_side.pra](#)

[DA-CS-schluesseltaste_ms](#)

[eaton-cadenas-path-temp-schluesseltaste_ms.3db](#)

[eaton-cadenas-front_view-schluesseltaste_ms_front.pra](#)

[DA-CD-schluesseltaste_ms](#)

Multimedia

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

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

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

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

Sales notes

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

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

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

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

System overview

Pilot devices - selection aid



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