Eaton 229094

Catalog Number: 229094

Eaton Moeller® series M22 Key-operated actuator, maintained, 3 positions: Key withdrawable: Selectable, Bezel: titanium

General specifications

Product Name	**Catalog Number**
Eaton Moeller® series M22 Key-operated actuator	229094
	Product Length/Depth
	70 mm
Product Height	**Product Width**
30 mm	30 mm
Product Weight	**Certifications**
0.031 kg	CE
	CSA
	UL
	CSA Class No.: 3211-03
	CSA-C22.2 No. 94-91
	IEC/EN 60947-5
	UL 508
	IEC/EN 60947
	VDE 0660
	UL Category Control No.: NKCR
	CSA-C22.2 No. 14-05
	UL File No.: E29184
	CSA File No.: 012528
	DNV
	GL
	LR

Features & Functions

Bezel color
Titanium

Bezel material
Plastic

Design
Key operated
Classical

Fitted with:
Front ring
Plunger bridge for the middle contact

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

Communication

Connection to SmartWire-DT

Yes

With SWD-RMQ connections

Actuator

Actuator color

Black

Actuator function

Switching function latching

Maintained

Key withdrawable in selectable position

Actuator type

Key

Number of switch positions

3

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

Drawings

eaton-operating-m22-key-operated-actuator-dimensions-002.eps

eaton-operating-key-operated-actuator-dimensions-005.eps

eaton-general-m22-symbol.eps

eaton-general-approval-m22-symbol.eps

eaton-general-m22-standards.eps

eCAD model

ETN.229094.edz

Installation instructions

IL04716002Z

Installation videos

RMQ Flat Design

mCAD model

DA-CD-schluesseltaste_ms

DA-CS-schluesseltaste_ms

Multimedia

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

MCI Multicolor Light Indicator M22 with SmartWire-DT

MCI MultiColor Light Indicator RMQ compact solution

RMQ small E-Stop emergency-stop button

Sales notes

eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf

eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf

eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf

eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf

System overview

Pilot devices - selection aid