Specifications

Eaton 216761



Catalog Number: 216761

Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, maintained, Mushroom black, Without button plate, Bezel: black

General specifications

Product Name
Eaton Moeller® series M22 Mushroom actuator

Catalog Number
216761

EAN
4015082167615

Product Length/Depth
37 mm

Product Height
43 mm

Product Width
37 mm

Product Weight
0.016 kg

Certifications

CSA File No.: 012528
IEC/EN 60947
CSA Class No.: 3211-03
UL
UL 508
UL Category Control No.: NKCR
CE
IEC/EN 60947-5
UL File No.: E29184
CSA
CSA-C22.2 No. 94-91
VDE 0660
CSA-C22.2 No. 14-05
DNV
GL
LR

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Features & Functions

Bezel color

Black

Bezel material

Plastic

Design

Mushroom-shaped

Classical

Fitted with:

Front ring

Unlocking method

None

General

Degree of protection

IP67/IP69K

NEMA 4X, 13

Lifespan, mechanical

1,000,000 Operations (AC operated)

Opening diameter

22.5 mm

Operating frequency

1800 Operations/h

Product category

RMQ-Titan

Size

Front dimensions: 22 x 22 mm

Type

Mushroom-headed pushbutton

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

Ambient storage temperature - min

-40 °C

Ambient storage temperature - max

80 °C

Climatic proofing

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

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

Communication

Connection to SmartWire-DT

With SWD-RMQ connections

Yes

Actuator

Actuating force

5 N

Actuator color

Black

Actuator function

Switching function latching

Maintained

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

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

Declarations of conformity

DA-DC-00004157.pdf

DA-DC-00004135.pdf

Drawings

eaton-operating-m22-mushroom-actuator-dimensions-002.eps

eaton-operating-m22-mushroom-actuator-dimensions.eps

eaton-general-approval-m22-symbol.eps

eaton-operating-button-symbol-005.eps

eaton-general-m22-symbol.eps

eaton-general-m22-standards.eps

eCAD model

ETN.216761.edz

Installation instructions

IL04716002Z

Installation videos

RMQ Flat Design

mCAD model

DA-CD-pilzdrucktaste_ohne_tastenplatte

DA-CS-pilzdrucktaste_ohne_tastenplatte

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

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.

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

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

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

System overview

Pilot devices - selection aid



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