

Eaton 216728

Catalog Number: 216728

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



General specifications

Product Name

Eaton Moeller® series M22 Mushroom actuator

Catalog Number

216728

Model Code

M22-DP-S-X

EAN

4015082167288

Product Length/Depth

37 mm

Product Height

43 mm

Product Width

37 mm

Product Weight

0.016 kg

Certifications

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

Product specifications

Type

Mushroom-headed pushbutton

Actuator color

Black

Bezel

Silver

Actuator function

Spring-return

Momentary

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.

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.

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](#)

Declarations of conformity

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

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

Drawings

[eaton-operating-m22-mushroom-actuator-dimensions.eps](#)

[eaton-operating-m22-mushroom-actuator-dimensions-002.eps](#)

[eaton-operating-button-symbol-005.eps](#)

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

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

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

eCAD model

[ETN.216728.edz](#)

Installation instructions

[IL04716002Z](#)

Installation videos

[RMQ Flat Design](#)

mCAD model

[DA-CD-pilzdrucktaste](#)

[DA-CS-pilzdrucktaste](#)

Multimedia

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

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

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

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

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

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

Specifications and datasheets

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.

Fitted with:

Front ring

Operating frequency

3600 Operations/h

Climatic proofing

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

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

Connection to SmartWire-DT

Yes

With SWD-RMQ connections

Actuating force

5 N

Ambient operating temperature - max

70 °C

Ambient operating temperature - min

[System overview](#)

[Pilot devices - selection aid](#)

-25 °C

Ambient storage temperature - max

80 °C

Ambient storage temperature - min

40 °C

Diameter cap

36.5 mm

Equipment heat dissipation, current-dependent P_{vid}

0 W

Force for positive opening - min

0 N

Heat dissipation capacity P_{diss}

0 W

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

0 W

Opening diameter

22.5 mm

Opening height

0 mm

Rated operational current for specified heat dissipation (I_n)

0 A

Bezel color

Titanium

Shock resistance

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

shock 11 ms

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

Color

Black

Bezel material

Plastic

Design

Mushroom-shaped

Classical

Mounting position

As required

Degree of protection

IP67/IP69K

NEMA 4X, 13

Front element type

Flat

Lens type

Round

Lifespan, mechanical

5,000,000 Operations

Static heat dissipation, non-current-dependent Pvs

0 W

Width opening

0 mm

Product category

RMQ-Titan

Size

Front dimensions: 22 x 22 mm

Supply voltage lamp

0 V

Unlocking method

None



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