

Eaton 216630

Catalog Number: 216630

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Flat, maintained, green, inscribed, Bezel: titanium



General specifications

Product Name	Catalog Number
Eaton Moeller® series M22 Pushbutton	216630
Model Code	EAN
M22-DR-G-X1	4015082166304
Product Length/Depth	Product Height
30 mm	30 mm
Product Width	Product Weight
30 mm	0.011 kg

Certifications

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

Features & Functions

Bezel color

Titanium

Bezel material

Plastic

Design

Flat

Classical

Features

Labelled

Fitted with:

Front ring

Functions

Stay-put/spring-return function can be changed on device

Inscription

Inscribed

General

Degree of protection

NEMA 12

IP66

IP69K

IP67

NEMA 3R

NEMA 13

NEMA 4X

Degree of protection (front side)

IP67/IP69K

NEMA 4X

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

Pushbutton actuator

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, 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

Actuating force

5 N

Actuator color

Green

Actuator function

Switching function latching

Maintained

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

Catalogues

[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](#)

Certification reports

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

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

Drawings

[eaton-operating-pushbutton-m22-dimensions-003.eps](#)

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

[eaton-operating-pushbutton-m22-dimensions-004.eps](#)

[116C087](#)

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

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

[eaton-operating-samrtwire-m22-3d-drawing.eps](#)

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

eCAD model

[ETN.216630.edz](#)

Installation instructions

[IL04716002Z](#)

Installation videos

[RMQ Flat Design](#)

mCAD model

[DA-CS-drucktaste_flach](#)

[DA-CD-drucktaste_flach](#)

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-rmq-mci-multi-color-light-indicator-flyer-fl047005en-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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