

Eaton 216602

Catalog Number: 216602

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

General specifications



Product Name	Catalog Number
Eaton Moeller® series M22 Pushbutton	216602
Model Code	EAN
M22-D-X	4015082166021
Product Length/Depth	Product Height
30 mm	30 mm
Product Width	Product Weight
30 mm	0.009 kg
Compliances	Certifications
CE Marked	IEC 60947-5
	CSA Std. C22.2 No. 14-05
	EN 60947-5
	CSA Std. C22.2 No. 94-91
	UL 508
	VDE
	CSA-C22.2 No. 94-91
	UL File No.: E29184
	CSA File No.: 012528
	CSA
	IEC/EN 60947
	CSA Class No.: 3211-03
	IEC/EN 60947-5
	CE
	CSA-C22.2 No. 14-05
	UL
	UL Category Control No.: NKCR
	VDE 0660
	DNV
	CI

Product specifications

Rated operational current for specified heat dissipation (In)

0 A

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Opening diameter

22.5 mm

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

Design

Classical

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

Ambient storage temperature - min

40 °C

Front element type

Flat

Fitted with:

Front ring

Degree of protection (front side)

IP67/IP69K

NEMA 4X

Force for positive opening - min

0 N

10.8 Connections for external conductors

Is the panel builder's responsibility.

Actuating force

5 N

Ambient operating temperature - max

70 °C

Resources

Brochures

[RMQ Titan - brochure](#)

[RMQ Titan emergency stop push button - Flyer](#)

[RMQ Small E-Stop - Flyer](#)

[RMQ MCI - Flyer](#)

[RMQ Flat Enclosure - Flyer](#)

Catalogs

[Product Range Catalog Command and Indication Control Circuit Devices, Signal Towers](#)

[Flip catalog - Product Range Catalog - Command and indication](#)

Certification reports

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

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

Drawings

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

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

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

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

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

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

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

eCAD model

[ETN.M22-D-X](#)

Installation instructions

[IL04716002Z](#)

[eaton-operating-devices-rmq-titan-m22-instruction-leaflet-il047018zu.pdf](#)

Installation videos

[RMQ Flat Design](#)

mCAD model

[DA-CS-drucktaste_ohne_tastenplatte](#)

[DA-CD-drucktaste_ohne_tastenplatte](#)

System overview

[Pilot devices - selection aid](#)

Bezel color

Titanium

Climatic proofing

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

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

Connection to SmartWire-DT

With SWD-RMQ connections

Yes

Number of command positions

1

Static heat dissipation, non-current-dependent Pvs

0 W

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

Ambient operating temperature - min

-25 °C

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

Mounting position

As required

Actuator function

Spring-return

Momentary

Button color

Not applicable

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be

evaluated.

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

0 W

Operating frequency

3600 Operations/h

Product category

RMQ-Titan

Equipment heat dissipation, current-dependent P_{vid}

0 W

Heat dissipation capacity P_{diss}

0 W

Width opening

0 mm

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.

Lifespan, mechanical

5,000,000 Operations

Bezel material

Plastic

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

Degree of protection

NEMA 12

IP66

NEMA 3R

NEMA 4X

IP67

IP69K

NEMA 13

Actuator color

Without button plate

Opening height

0 mm

Ambient storage temperature - max

80 °C

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

10.10 Temperature rise

Not applicable.

Size

Front dimensions: 22 x 22 mm

Lens type

Round

Type

Pushbutton actuator

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Please enquire

10.2.7 Inscriptions

Meets the product standard's requirements.

Shock resistance

30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

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



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