

Eaton 216594

Catalog Number: 216594

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Flat, momentary, red, Blank, Bezel: titanium

General specifications



Product Name	Catalog Number
Eaton Moeller® series M22 Pushbutton	216594
Model Code	EAN
M22-D-R	4015082165949
Product Length/Depth	Product Height
30 mm	30 mm
Product Width	Product Weight
30 mm	0.009 kg
Compliances	Certifications
CE Marked	UL 508
	IEC 60947-5
	EN 60947-5
	CSA Std. C22.2 No. 14-05
	CSA Std. C22.2 No. 94-91
	VDE
	CSA
	CSA Class No.: 3211-03
	CSA-C22.2 No. 14-05
	IEC/EN 60947
	IEC/EN 60947-5
	UL Category Control No.: NKCR
	UL File No.: E29184
	VDE 0660
	CE
	CSA File No.: 012528
	UL
	CSA-C22.2 No. 94-91
	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

Flat

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

Inscription

Blank

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

Resources

Brochures

[RMQ Titan - brochure](#)

[RMQ Flat Enclosure - Flyer](#)

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

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

[RMQ MCI - 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-actuation-m22-dimensions-002.eps](#)

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

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

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

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

[eaton-operating-button-symbol-006.eps](#)

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

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

eCAD model

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

Installation instructions

[IL04716002Z](#)

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

Installation videos

[RMQ Flat Design](#)

mCAD model

[DA-CD-drucktaste_flach](#)

[DA-CS-drucktaste_flach](#)

System overview

[Pilot devices - selection aid](#)

5 N

Ambient operating temperature - max

70 °C

Bezel color

Chrome

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

Red

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

IP66

IP67

IP69K

NEMA 13

NEMA 4X

NEMA 3R

NEMA 12

Actuator color

Red

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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