

Eaton 216641

Catalog Number: 216641

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

General specifications



Product Name	Catalog Number
Eaton Moeller® series M22 Pushbutton	216641
Model Code	EAN
M22-DH-R	4015082166410
Product Length/Depth	Product Height
30 mm	35 mm
Product Width	Product Weight
30 mm	0.012 kg
Compliances	Certifications
CE Marked	CSA Std. C22.2 No. 14-05
	CSA Std. C22.2 No. 94-91
	IEC 60947-5
	EN 60947-5
	UL 508
	VDE
	UL File No.: E29184
	CSA-C22.2 No. 14-05
	CSA Class No.: 3211-03
	CSA
	CSA-C22.2 No. 94-91
	IEC/EN 60947
	CE
	CSA File No.: 012528
	UL
	IEC/EN 60947-5
	UL Category Control No.: NKCR
	VDE 0660
	DNV
	GL

Product specifications

Type

Pushbutton actuator

Actuator color

Red

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.

10.2.7 Inscriptions

Meets the product standard's requirements.

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-pushbutton-m22-dimensions.eps](#)

[eaton-operating-pushbutton-m22-dimensions-005.eps](#)

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

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

[eaton-operating-samrtwire-m22-3d-drawing-002.eps](#)

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

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

eCAD model

[ETN.216641.edz](#)

Installation instructions

[IL04716002Z](#)

Installation videos

[RMQ Flat Design](#)

mCAD model

[DA-CS-drucktaste_hoch](#)

[DA-CD-drucktaste_hoch](#)

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-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](#)

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

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

Button color

Red

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

Actuating force

5 N

Ambient operating temperature - max

70 °C

Ambient operating temperature - min

Specifications and datasheets

Eaton Specification Sheet - 216641

System overview

Pilot devices - selection aid

-25 °C

Ambient storage temperature - max

80 °C

Ambient storage temperature - min

40 °C

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

Number of command positions

1

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

Bezel material

Plastic

Design

Extended

Classical

Mounting position

As required

Degree of protection

NEMA 12

IP67

NEMA 4X

IP69K

NEMA 13

IP66

NEMA 3R

Degree of protection (front side)

NEMA 4X

IP67/IP69K

Inscription

Blank

Front element type

High

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



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