

Eaton 216929

Catalog Number: 216929

Eaton Moeller® series M22 Illuminated pushbutton actuator, RMQ-Titan, Flush, momentary, yellow, Blank, Bezel: titanium

General specifications



Photo is representative

Product Name	Catalog Number
Eaton Moeller® series M22 Illuminated pushbutton actuator	216929
	EAN
	4015082169299
Model Code	Product Length/Depth
M22-DL-Y	30 mm
Product Height	Product Width
30 mm	30 mm
Product Weight	Compliances
0.01 kg	CE Marked

Certifications

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

Features & Functions

Bezel color

Titanium

Bezel material

Plastic

Design

Flush

Classical

Fitted with:

Front ring

Inscription

Blank

Material

Titanium front ring

General

Degree of protection

NEMA 12

IP69K

NEMA 4X

NEMA 13

IP67

IP66

NEMA 3R

Degree of protection (front side)

NEMA 4X

IP67/IP69K

Lifespan, mechanical

5,000,000 Operations

Opening diameter

22.5 mm

Operating frequency

3600 Operations/h

Product category

RMQ-Titan

Size

Front dimensions: 22 x 22 mm

Suitable for

Illumination

Type

Illuminated 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

Climatic proofing

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

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

Communication

Actuator

Connection to SmartWire-DT
With SWD-RMQ connections
Yes

Actuating force
5 N

Actuator color
Yellow

Actuator function
Momentary
Spring-return

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

Catalogs

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

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

Certification reports

[0000SPC-183](#)

[0000SPC-179](#)

Declarations of conformity

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

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

Drawings

[116X214](#)

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

[116X103](#)

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

Drawings

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

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

[116C064](#)

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

[eaton-operating-button-symbol-008.eps](#)

[116I256](#)

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

[0000SPC-180](#)

eCAD model

[ETN.M22-DL-Y](#)

[ETN.216929.edz](#)

Installation instructions

[IL04716002Z](#)

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

Installation videos

[RMQ Flat Design](#)

mCAD model

[eaton-cadenas-path-temp-drucktaste_flach.3db](#)

[DA-CD-drucktaste_flach](#)

[eaton-cadenas-front_view-drucktaste_flach_front.pra](#)

[eaton-cadenas-side_view-drucktaste_flach_side.pra](#)

[DA-CS-drucktaste_flach](#)

Multimedia

[MCI Multicolor Light Indicator M22 with SmartWire-DT](#)

[easyE4 SmartWire-DT module with Remote Touch Display and RMQ](#)

[multi color indicator](#)

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

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

Sales notes

[eaton-rmq-flat-enclosure-flyer-fl047003en-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-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf](#)

System overview

[Pilot devices - selection aid](#)



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