

Eaton 216529

Catalog Number: 216529

Eaton Moeller® series M22 Housing, Pushbutton actuators, Enclosure, momentary, 2 NC, 2 N/O, Screw connection, Number of locations 2, Grey, inscribed, Bezel: titanium

General specifications



Product Name	Catalog Number
Eaton Moeller® series M22 Housing	216529
Model Code	EAN
M22-I2-M1	4015082165291
Product Length/Depth	Product Height
80 mm	70 mm
Product Width	Product Weight
120 mm	0.255 kg
Compliances	Certifications
CE Marked	IEC 60947-5
	UL 508
	EN 60947-5
	CSA Std. C22.2 No. 94-91
	CSA Std. C22.2 No. 14-05
	VDE
	IEC/EN 60947-5
	VDE 0660
	CE
	CSA-C22.2 No. 14-05
	CSA-C22.2 No. 94-91
	CSA
	CSA Class No.: 3211-03
	UL Category Control No.: NKCR
	UL File No.: E29184
	CSA File No.: 012528
	IEC/EN 60947
	UL

Product specifications

Type

Pushbutton actuator

Actuator color

Green, red

Actuator function

Momentary

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

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

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](#)

Declarations of conformity

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

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

Drawings

[eaton-operating-surface-mounting-m22-accessory-dimensions-004.eps](#)

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

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

[eaton-operating-button-symbol-007.eps](#)

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

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

[eaton-operating-button-m22-housing-symbol.eps](#)

eCAD model

[ETN.M22-I2-M1](#)

Installation instructions

[IL04716002Z](#)

Installation videos

[RMQ Flat Design](#)

mCAD model

[bg_d_d_aufbaug](#)

[bg_d_d_aufbaug.stp](#)

Multimedia

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

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

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

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

Sales notes

[eaton-control-circuit-devices-rmq-titan-fl144090en-en-us.pdf](#)

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

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

[eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf](#)

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.

Operating frequency

3600 Operations/h

Climatic proofing

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

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

Connection to SmartWire-DT

No

Enclosure material

Plastic

Actuating force

5 N

Actuator travel and actuation force (DIN EN 60947-5-1)

4.8 mm

Ambient operating temperature - max

70 °C

Ambient operating temperature - min

Specifications and datasheets

Eaton Specification Sheet - 216529

System overview

Pilot devices - selection aid

Wiring diagrams

eaton-operating-pushbutton-m22-housing-wiring-diagram.eps

-25 °C

Equipment heat dissipation, current-dependent P_{vid}

0 W

Force for positive opening - min

15 N

Heat dissipation capacity P_{diss}

0 W

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

0.11 W

Knob travel

5.7 mm

Number of buttons (mushroom shape)

0

Number of command positions

2

Number of contacts (change-over contacts)

0

Number of contacts (normally closed contacts)

2

Number of contacts (normally open contacts)

2

Number of key switches

0

Number of locations

2

Number of pilot lights

0

Number of pushbuttons

2

Enclosure color

Gray

Bezel color

Titanium

Number of switches (selector)

0

RAL-number

7035

Rated control supply voltage (Us) at AC, 50 Hz - max

500 V

Rated control supply voltage (Us) at AC, 50 Hz - min

115 V

Rated control supply voltage (Us) at AC, 60 Hz - max

500 V

Rated control supply voltage (Us) at AC, 60 Hz - min

115 V

Rated control supply voltage (Us) at DC - max

220 V

Rated control supply voltage (Us) at DC - min

24 V

Rated operational current for specified heat dissipation (In)

6 A

Static heat dissipation, non-current-dependent Pvs

0 W

Product category

RMQ-Titan

Size

Front dimensions: 120 x 80 mm

Color

Light gray

Design

Enclosure

Mounting position

As required

Rated conditional short-circuit current (Iq)

1 kA

Connection type

Screw connection

Degree of protection

IP67/IP69K

NEMA 4X, 13

Inscription

Inscribed

Knockouts

1 x M20 (cable entry knockout at the side)

2 x M25/20 (cable entry knockouts at the side)

2 x M20 (cable entry knockouts at the base)

Lifespan

5,000,000 mechanical Operations

Shock resistance

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

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



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