

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 |

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

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

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

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

Drawings

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

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

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

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

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

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

[bg_d_d_aufbaug](#)

Multimedia

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

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

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

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

Sales notes

[eaton-rmq-flat-enclosure-flyer-fl047003en-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](#)

[eaton-control-circuit-devices-rmq-titan-fl144090en-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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Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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