

Eaton 216524

Catalog Number: 216524

Eaton Moeller® series M22 Housing, Controlled stop pushbuttons/emergency-stop buttons, Mushroom-shaped, 38 mm, Non-illuminated, Pull-to-release function, 2 NC, Screw connection, Red, Yellow



General specifications

Product Name	Catalog Number
Eaton Moeller® series M22 Housing	216524
Model Code	EAN
M22-PV/KC02/IY	4015082165246
Product Length/Depth	Product Height
100 mm	80 mm
Product Width	Product Weight
72 mm	0.194 kg

Certifications

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

defaultTaxonomyAttributeLabel

Type

Controlled stop
pushbutton/emergency-stop
button
Housing

Actuator color

Red

Actuator function

Pull-to-release

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.

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

000Z425
[DA-DC-00004180.pdf](#)
[DA-DC-00004141.pdf](#)

Declarations of conformity

[DA-DC-00004971.pdf](#)
[DA-DC-00004975.pdf](#)

Drawings

[eaton-operating-emergency-m22-dimensions-002.eps](#)
[eaton-operating-emergency-m22-dimensions.eps](#)
[eaton-operating-m22-housing-dimensions-002.eps](#)
000Z051
[eaton-general-totally-insulated-t0-main-switch-symbol.eps](#)
[eaton-operating-button-symbol-008.eps](#)
[eaton-general-m22-standards.eps](#)
[eaton-general-m22-symbol.eps](#)
[eaton-operating-button-symbol-006.eps](#)
[eaton-general-approval-m22-symbol.eps](#)

eCAD model

[ETN.M22-PV_KC02_IY](#)

Installation instructions

[IL04716003Z](#)
[IL04716005Z.pdf](#)

Installation videos

[RMQ Flat Design](#)

mCAD model

[DA-CD-bg_pv_aufbaug](#)
[DA-CS-bg_pv_aufbaug](#)

Multimedia

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

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.

Operating frequency

600 Operations/h

Climatic proofing

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

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

Connection to SmartWire-DT

No

Enclosure material

Plastic

Actuating force

50 N

Actuator diameter

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

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

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

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

Specifications and datasheets

[Eaton Specification Sheet - 216524](#)

System overview

[Pilot devices - selection aid](#)

Wiring diagrams

[eaton-operating-contact-m22-housing-wiring-diagram-002.eps](#)

38 mm

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

4.8 mm

Ambient operating temperature - max

70 °C

Ambient operating temperature - min

-25 °C

Equipment heat dissipation, current-dependent P_{vid}

0 W

Force for positive opening - min

30 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)

1

Number of command positions

1

Number of contacts (change-over contacts)

0

Number of contacts (normally closed contacts)

2

Number of contacts (normally open contacts)

0

Number of key switches

0

Number of pilot lights

0

Number of pushbuttons

0

Enclosure color

Yellow

Illumination

Non-illuminated

Number of switches (selector)

0

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: 35 mm

Design

Mushroom-shaped

Mounting position

As required

Rated conditional short-circuit current (Iq)

1 kA

Connection type

Screw connection

Degree of protection

IP Other

NEMA 4X, 13

Lifespan

100,000 mechanical Operations

Shock resistance

50 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal

shock 11 ms

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

Suitable for

Emergency stop



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