

Eaton 216514

Catalog Number: 216514

Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 38 mm, Non-illuminated, Key-release, 1 NC, Red, yellow, RAL 3000, Not suitable for master key systems



General specifications

Product Name	Catalog Number
Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton	216514
	Model Code
	M22-PVS/K01
EAN	Product Length/Depth
4015082165147	115 mm
Product Height	Product Width
38 mm	38 mm
Product Weight	Certifications
0.073 kg	CE
	CSA File No.: 012528
	IEC/EN 60947-5
	UL File No.: E29184
	CSA
	CSA Class No.: 3211-03
	UL
	UL 508
	VDE 0660
	CSA-C22.2 No. 14-05
	CSA-C22.2 No. 94-91
	IEC/EN 60947
	UL Category Control No.: NKCR
	DNV

GL
LR

Catalog Notes

Max. number of contacts: four M22-

Features & Functions

Base color

Yellow

Color

Red

Design

Mushroom-shaped

Classical

Features

Tamper-proof (according to ISO 13850, EN 418)

Illumination

Non-illuminated

Unlocking method

Key-release

General

...11

Accessories

1 key included with supplied equipment.

Degree of protection

IP67/IP69K

NEMA 4X, 13

Lifespan, mechanical

100,000 Operations

Mounting method

Built-in

Opening diameter

22.5 mm

Operating frequency

500 Operations/h

Overvoltage category

III

Pollution degree

3

Product category

RMQ-Titan

Size

Front dimensions: 35 mm

Type

Controlled stop pushbutton/emergency-stop button

Ambient conditions, mechanical

Mounting position

As required

Shock resistance

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

50 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, cyclic, to IEC 60068-2-30

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

Short-circuit rating

Rated conditional short-circuit current (I_q)

1 kA

Communication

Connection to SmartWire-DT

No

Connection type

Screw connection

Actuator

Actuating force

50 N

Actuator color

Red

Actuator diameter

38 mm

Actuator function

Key-release

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

4.8 mm

Knob travel

5.7 mm

Contacts

Force for positive opening - min

15 N

Number of contacts (normally closed contacts)

1

Number of contacts (normally open contacts)

0

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}

0.11 W

Rated operational current for specified heat dissipation (I_n)

6 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

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

Resources

Catalogues

[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](#)

Certification reports

[000Z425](#)

Declarations of conformity

[DA-DC-00004180.pdf](#)

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

[DA-DC-00004141.pdf](#)

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

Drawings

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

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

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

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

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

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

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

eCAD model

[ETN.M22-PVS_K01](#)

Installation instructions

[IL04716002Z](#)

Installation videos

[RMQ Flat Design](#)

mCAD model

[bg_pvs_001](#)

[bg_pvs_001.dwg](#)

Multimedia

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

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

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

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

Sales notes

switchgear must be observed.

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

[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](#)

System overview

Pilot devices - selection aid

Wiring diagrams

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



Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2024 Eaton. All rights reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.



Eaton.com/socialmedia