Specifications

Eaton 279412

Catalog Number: 279412

Eaton Moeller® series M22 Position pushbutton, RMQ-Titan, Actuators non-flush, momentary, 4-fold, opposing pushbuttons not mechanically interlocked, Bezel: black



General specifications

Product Name
Eaton Moeller® series M22 4-way pushbutton

Catalog Number
279412

EAN
4015082794125

Product Length/Depth
55 mm

Product Height
32 mm

Product Width
55 mm

Product Weight
0.022 kg

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

Catalog Notes
4-fold

Powering Business Worldwide

Features & Functions

Bezel color

Black

Bezel material

Plastic

Design

Non-Flush

Classical

Fitted with:

Front ring

Functions

Opposing pushbuttons not mechanically interlocked

Inscription

Blank

General

Degree of protection

IP66

NEMA 12

NEMA 3R

NEMA 4X

NEMA 13

Degree of protection (front side)

IP66

NEMA 4X

Lifespan, mechanical

200,000 Operations

Opening diameter

22.5 mm

Operating frequency

3600 Operations/h

Product category

RMQ-Titan

Size

Front dimensions: 55 x 55 mm

Type

Pushbutton

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

Connection to SmartWire-DT

With SWD-RMQ connections

Yes

Actuator

Actuating force

5 N

Actuator color

Black

Actuator function

Momentary

Spring-return

Contacts

Force for positive opening - min

0 N

Design verification

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0 W

Rated operational current for specified heat dissipation (In)

0 A

Static heat dissipation, non-current-dependent Pvs

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

Resources

Catalogs

Flip catalog - Product Range Catalog - Command and indication

eaton-rmq-titan-brochure-br047004en-en-us.pdf

eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf

Declarations of conformity

DA-DC-00004157.pdf

DA-DC-00004135.pdf

Drawings

eaton-operating-pushbutton-m22-position-pushbutton-dimensions.eps

eaton-operating-switch-m22-position-pushbutton-3d-drawing-002.eps

eaton-general-m22-symbol.eps

eaton-general-m22-standards.eps

eaton-general-approval-m22-symbol.eps

eCAD model

ETN.279412.edz

Installation instructions

IL04716002Z

Installation videos

RMQ Flat Design

mCAD model

DA-CD-drucktaste_4_fach

DA-CS-drucktaste_4_fach

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-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf

eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf

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.

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eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf

System overview

Pilot devices - selection aid



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