Specifications

Eaton 216853

Catalog Number: 216853

Eaton Moeller® series M22 Selector switch, RMQ-Titan, With rotary head, momentary, 2 positions, inscribed, Bezel: titanium



General specifications

Product Name
Eaton Moeller® series M22 Selector switch

Catalog Number
216853

EAN
4015082168537

Product Length/Depth
43 mm

Product Height
30 mm

Product Width
30 mm

Product Weight
0.013 kg

Compliances
CE Marked

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

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Features & Functions

Bezel color

Titanium

Bezel material

Plastic

Color

Black

Design

With rotary head

Fitted with:

Front ring

Functions

Stay-put/spring-return function, can be changed with coding parts M22-XC-Y

Inscription

Inscribed

General

Accessories

Rotary head

Degree of protection

NEMA 4X, 13

Degree of protection (front side)

IP66

Lifespan, mechanical

100,000 Operations

Opening diameter

22.5 mm

Operating frequency

2000 Operations/h

Operating torque

0.3 Nm

Overvoltage category

III

Pollution degree

3

Product category

RMQ-Titan

Size

Front diameter: 29.7 mm

Switching angle

40 °

Type

Selector switch actuator

Ambient conditions, mechanical

Mounting position

As required

Shock resistance

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

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

70 °C

Ambient storage temperature - min

-40 °C

Ambient storage temperature - max

80 °C

Climatic proofing

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

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

Communication

Connection to SmartWire-DT

With SWD-RMQ connections

Yes

Actuator

Actuator color

Black

Actuator function

Momentary

Spring-return

Actuator type

Turn button

Number of switch positions

2

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 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

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-00004157.pdf

DA-DC-00004135.pdf

Drawings

eaton-operating-switch-m22-changeover-switch-dimensions.eps

eaton-operating-switch-m22-changeover-switch-dimensions-002.eps

eaton-general-approval-m22-symbol.eps

eaton-general-m22-symbol.eps

eaton-operating-switch-m22-changeover-switch-3d-drawing.eps

eaton-general-m22-standards.eps

eaton-operating-button-m22-changeover-switch-symbol-002.eps

eCAD model

ETN.216853.edz

Installation instructions

IL04716002Z

Installation videos

RMQ Flat Design

mCAD model

DA-CS-wahltaste

DA-CD-wahltaste

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

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

switchgear must be observed.

10.13 Mechanical function

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

System overview

Pilot devices - selection aid

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