

Eaton 216872

Catalog Number: 216872

Eaton Moeller® series M22 Selector switch, RMQ-Titan, With thumb-grip, maintained, 3 positions, Bezel: titanium

General specifications



Photo is representative

Product Name	Catalog Number
Eaton Moeller® series M22 Selector switch	216872
	EAN
	4015082168728
Model Code	Product Length/Depth
M22-WRK3	46 mm
Product Height	Product Width
30 mm	30 mm
Product Weight	Compliances
0.013 kg	CE Marked

Certifications

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

Features & Functions

Bezel color

Titanium

Bezel material

Plastic

Color

Black

Design

With thumb-grip

Classical

Fitted with:

Plunger bridge for the middle contact

Front ring

Functions

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

General

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

60 °

Type

Selector switch actuator

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

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

Actuator

Actuator color

Black

Actuator function

Switching function latching

Maintained

Actuator type

Toggle

Number of switch positions

3

Communication

Connection to SmartWire-DT

Yes

With SWD-RMQ connections

Contacts

Force for positive opening - min

0 N

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 W

Rated operational current for specified heat dissipation (I_n)

0 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

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.

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

[0000SPC-183](#)

[0000SPC-179](#)

Declarations of conformity

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

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

Drawings

[116X196](#)

[116X115](#)

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

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

Drawings

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

[0000SPC-180](#)

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

[eaton-operating-switch-m22-changeover-switch-3d-drawing-002.eps](#)

[116I266](#)

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

eCAD model

[ETN.216872.edz](#)

[ETN.M22-WRK3](#)

Installation instructions

[IL04716002Z](#)

Installation videos

[RMQ Flat Design](#)

mCAD model

[eaton-cadenas-front_view-wahltaste_knebel_front.pra](#)

[eaton-cadenas-path-temp-wahltaste_knebel.3db](#)

[DA-CD-wahltaste_knebel](#)

[DA-CS-wahltaste_knebel](#)

[eaton-cadenas-side_view-wahltaste_knebel_side.pra](#)

Multimedia

easyE4 SmartWire-DT module with Remote Touch Display and RMQ
multi color indicator

MCI MultiColor Light Indicator RMQ compact solution

MCI Multicolor Light Indicator M22 with SmartWire-DT

RMQ small E-Stop emergency-stop button

Sales notes

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

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

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

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

System overview

Pilot devices - selection aid



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