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# 232234

Eaton Moeller® series M22 Potentiometer, Classical, M22, 22.5 mm, R 47 kΩ, P 0.5 W, Bezel: black

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## General specifications

Product Name

Eaton Moeller® series M22 Potentiometer

Catalog Number

232234

Model Code

M22S-R47K

EAN

4015082322342

Product Length/Depth

70 mm

Product Height

29 mm

Product Width

29 mm

Product Weight

0.034 kg

Certifications

IEC/EN 60947-5

UL

IEC/EN 60947

VDE 0660

UL Category Control No.: NKCR

CSA Class No.: 3211-03

UL File No.: E29184

CSA File No.: 012528

CSA-C22.2 No. 94-91

UL 508

CE

CSA

CSA-C22.2 No. 14-05

## Product specifications

Rated operational current for specified heat dissipation (In)

0 A

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Opening diameter

22.5 mm

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

Design

Classical

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

Fitted with:

3 individual screw terminals

10.8 Connections for external conductors

Is the panel builder's responsibility.

Terminal capacity (stranded)

0.5 - 1.5 mm<sup>2</sup>

Ambient operating temperature - max

70 °C

Bezel color

Black

Climatic proofing

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

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

Connection to SmartWire-DT

No

Static heat dissipation, non-current-dependent Pvs

0.5 W

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

Resistance

47000 Ohm

Ambient operating temperature - min

-25 °C

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

Mounting position

As required

Electric connection type

Screw connection

10.13 Mechanical function

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



#### 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

#### 10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

#### 10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

Heat dissipation per pole, current-dependent P<sub>vid</sub>

0 W

Equipment heat dissipation, current-dependent P<sub>vid</sub>

0 W

Heat dissipation capacity P<sub>diss</sub>

0 W

Terminal capacity (solid)

0.5 - 1.5 mm<sup>2</sup>

Accuracy

± 10 % (linear), Resistance value

Number of revolutions - min

1

Power consumption

0.5 W

#### 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.

Lifespan, mechanical

25,000 Operations

#### 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

Rated power

0.5 VA

Overvoltage category

III

Degree of protection

IP66

NEMA Other

Pollution degree

3

#### 10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

Rated impulse withstand voltage (U<sub>imp</sub>)

4000 V AC

#### 10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

Tightening torque

0.5 Nm, Screw terminals

Type

Potentiometer

#### 10.2.2 Corrosion resistance

Meets the product standard's requirements.

#### 10.2.4 Resistance to ultra-violet (UV) radiation

Please enquire

#### 10.2.7 Inscriptions

Meets the product standard's requirements.

Number of revolutions - max

1

Shock resistance


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

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

Rated insulation voltage (U<sub>i</sub>)

250 V

Serial Number Verified :

Authenticated: 

The product is verified as being authentic; however, this does not guarantee the condition or fit for purpose of the product.

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- [RMQ Small E-Stop - Flyer](#)
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## Catalogs

- [Flip catalog - Product Range Catalog - Command and indication](#)
- [Product Range Catalog Command and Indication Control Circuit Devices, Signal Towers](#)

## Certification reports

- [DA-DC-00004157.pdf](#)
- [DA-DC-00004135.pdf](#)

## Drawings

- [eaton-operating-potentiometer-m22-dimensions-003.eps](#)
- [eaton-general-m22-symbol.eps](#)
- [eaton-general-approval-m22-symbol.eps](#)
- [eaton-general-m22-standards.eps](#)

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## eCAD model

- [DA-CE-ETN.M22S-R47K](#)

## Installation instructions

- [IL04716002Z](#)
- [IL047030ZU](#)

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## Installation videos

- [RMQ Flat Design](#)

## mCAD model

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

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## System overview

- [Pilot devices - selection aid](#)

## Wiring diagrams

- [eaton-operating-potentiometer-m30-wiring-diagram.eps](#)

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