

Eaton 229493

Catalog Number: 229493

Eaton Moeller® series M22 Potentiometer, Classical, M22, 22.5 mm, R 100 kΩ, P 0.5 W, Bezel: titanium

General specifications



Product Name
Eaton Moeller® series M22
Potentiometer

Catalog Number

229493

EAN

4015082294939

Product Length/Depth

70 mm

Product Height

29 mm

Product Width

29 mm

Product Weight

0.034 kg

Compliances

CE Marked

Certifications

IEC 60947-5

CSA Std. C22.2 No. 94-91

EN 60947-5

CSA Std. C22.2 No. 14-05

UL 508

VDE

CE

CSA File No.: 012528

VDE 0660

CSA Class No.: 3211-03

UL File No.: E29184

CSA-C22.2 No. 14-05

UL Category Control No.: NKCR

UL

IEC/EN 60947-5

IEC/EN 60947

CSA-C22.2 No. 94-91

CSA

Omadused ja funktsioonid

Bezel color

Titanium

Design

Classical

Electric connection type

Screw connection

Fitted with:

3 individual screw terminals

Üldist

Degree of protection

IP66

NEMA Other

Lifespan, mechanical

25,000 Operations

Opening diameter

22.5 mm

Overvoltage category

III

Pollution degree

3

Rated impulse withstand voltage (Uimp)

4000 V AC

Type

Potentiometer

Keskkonnatingimused, mehaanilised

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

Ilmastikutingimused

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

Klemmide ristlõige

Terminal capacity (solid)

0.5 - 1.5 mm²

Terminal capacity (stranded)

0.5 - 1.5 mm²

Tightening torque

0.5 Nm, Screw terminals

Elektrilised andmed

Power consumption

0.5 W

Rated insulation voltage (Ui)

250 V

Resistance

100000 Ohm

Connection to SmartWire-DT

No

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}

0.5 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 switchgear must be observed.

10.13 Mechanical function

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

Lisainfo

eCAD model

[ETN.229493.edz](#)

Elektriskeemid

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

Joonised

[eaton-operating-potentiometer-m22-dimensions-003.eps](#)

mCAD model

[DA-CS-potentiometer](#)

[DA-CD-potentiometer](#)

Multimedia

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

Paigaldusjuhised

[IL047030ZU](#)

[IL04716002Z](#)

System overview

[Pilot devices - selection aid](#)