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Eaton Moeller® series M22 Potentiometer, Classical, M22, 22.5 mm, R 1 kΩ, P 0.5 W, Bezel: titanium

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General specifications

Product Name

Eaton Moeller® series M22 Potentiometer

Catalog Number

229489

Model Code

M22-R1K

EAN

4015082294892

Product Length/Depth

70 mm

Product Height

29 mm

Product Width

29 mm

Product Weight

0.034 kg

Compliances

CE Marked

Certifications

CSA Std. C22.2 No. 94-91

CSA Std. C22.2 No. 14-05

EN 60947-5

UL 508

IEC 60947-5

VDE

VDE 0660

UL

CSA Class No.: 3211-03

IEC/EN 60947-5

CSA

CE

CSA-C22.2 No. 94-91

IEC/EN 60947

UL File No.: E29184

UL Category Control No.: NKCR

CSA File No.: 012528

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 mm²
 Ambient operating temperature - max
 70 °C
 Bezel color
 Titanium
 Climatic proofing
 Damp heat, constant, to IEC 60068-2-78
 Damp heat, cyclic, to IEC 60068-2-30
 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
 1000 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 Pvid
 0 W
 Equipment heat dissipation, current-dependent Pvid
 0 W
 Heat dissipation capacity Pdis
 0 W
 Terminal capacity (solid)
 0.5 - 1.5 mm²
 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 (Uimp)

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

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

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

Rated insulation voltage (Ui)

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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