# Eaton 229491

Eaton Moeller® series M22 Potentiometer, Classical, M22, 22.5 mm, R 10 kΩ, P 0.5 W, Bezel: titanium

| | |
|---|---|
| **PRODUCT NAME** | Eaton Moeller® series M22 Potentiometer |
| **CATALOG NUMBER** | 229491 |
| **PRODUCT LENGTH/DEPTH** | 70 mm |
| **PRODUCT HEIGHT** | 29 mm |
| **PRODUCT WIDTH** | 29 mm |
| **PRODUCT WEIGHT** | 0.034 kg |
| **COMPLIANCES** | CE Marked |
| **CERTIFICATIONS** | IEC 60947-5-1<br>UL 508<br>EN 60947-5-1<br>CSA Std. C22.2 No. 14-05<br>VDE<br>CSA Class No.: 3211-03<br>VDE 0660<br>CSA<br>CE<br>CSA File No.: 012528<br>UL Category Control No.: NKCR<br>CSA-22.2 No. 14-05<br>UL<br>UL File No.: E29184<br>IEC/EN 60947<br>IEC/EN 60947-5-1 |

Powering Business Worldwide

| | |
|---|---|
| **USED WITH** | DILET series<br>ETR4-70 series |
| **TYPE** | Potentiometer |
| **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. |
| **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. |

| | |
|---|---|
| **DECLARATIONS OF CONFORMITY** | eaton-key-operated-actuator-declaration-of-conformity-uk251347en.pdf |
| | IL04716002Z IL047030ZU |
| | eaton-operating-potentiometer-m30-wiring-diagram.eps |
| | eaton-operating-potentiometer-m22-dimensions-003.eps |
| **/** | RMQ small E-Stop emergency-stop button |

| | |
|---|---|
| **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. |
| **ELECTRIC CONNECTION TYPE** | Screw connection |
| **FITTED WITH:** | 3 individual screw terminals |
| **POLLUTION DEGREE** | 3 |
| **ACCURACY** | ± 10 % (linear), Resistance value |
| **CLIMATIC PROOFING** | Damp heat, constant, to IEC 60068-2-78<br>Damp heat, cyclic, to IEC 60068-2-30 |
| **CONNECTION TO SMARTWIRE-DT** | No |
| **RATED IMPULSE WITHSTAND VOLTAGE (UIMP)** | 4000 V AC |
| **BEZEL COLOR** | Titanium |
| **AMBIENT OPERATING TEMPERATURE - MAX** | 70 °C |
| **AMBIENT OPERATING TEMPERATURE - MIN** | -25 °C |
| **EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID** | 0 W |

| | |
|---|---|
| **HEAT DISSIPATION CAPACITY PDISS** | 0 W |
| **HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID** | 0 W |
| **NUMBER OF REVOLUTIONS - MAX** | 1 |
| **NUMBER OF REVOLUTIONS - MIN** | 1 |
| **OPENING DIAMETER** | 22.5 mm |
| **RATED INSULATION VOLTAGE (UI)** | 250 V |
| **RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)** | 0 A |
| **RATED POWER** | 0.5 VA |
| **STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS** | 0.5 W |
| **DESIGN** | Classical |
| **MOUNTING POSITION** | As required |
| **OVERVOLTAGE CATEGORY** | III |
| **DEGREE OF PROTECTION** | IP66<br>NEMA Other |
| **POWER CONSUMPTION** | 0.5 W |
| **LIFESPAN, MECHANICAL** | 25,000 Operations |
| **SHOCK RESISTANCE** | Mechanical, According to IEC/EN 60068-2-27<br>30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms |
| **RESISTANCE** | 10000 Ohm |
| **TERMINAL CAPACITY (SOLID)** | 0.5 - 1.5 $mm^2$ |
| **TERMINAL CAPACITY (STRANDED)** | 0.5 - 1.5 $mm^2$ |
| **TIGHTENING TORQUE** | 0.5 Nm, Screw terminals |

| | |
|---|---|
| **PROJECT NAME:** | |
| **PROJECT NUMBER:** | |
| **PREPARED BY:** | |
| : | |

Eaton House
30 Pembroke Road
Dublin 4,
Eaton.com

© 2025

Follow us on social media to get the latest product and support information.