# Specifications



Photo is representative





## Eaton 187034

Eaton Moeller® series M30 Potentiometer, flat front, M30, 30.5 mm, R 2.2 kΩ, P 0.5 W, Metal bezel

| General specifications | |
|---|---|
| **PRODUCT NAME** | Eaton Moeller® series M30 potentiometer |
| **CATALOG NUMBER** | 187034 |
| **MODEL CODE** | M30C-FR2K2 |
| **EAN** | 4015081821006 |
| **PRODUCT LENGTH/DEPTH** | 36 mm |
| **PRODUCT HEIGHT** | 63 mm |
| **PRODUCT WIDTH** | 46 mm |
| **PRODUCT WEIGHT** | 0.055 kg |
| **CERTIFICATIONS** | VDE 0660<br>IEC/EN 60947 |
| **GLOBAL CATALOG** | 187034 |
| **PRODUCT TYPE** | Potentiometer |

Powering Business Worldwide

Downloaded from Arrow.com.

## Product specifications

| | |
|---|---|
| **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. |
| **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. |

## Resources

| | |
|---|---|
| CATALOGS | eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf |
| DECLARATIONS OF CONFORMITY | eaton-potentiometer-declaration-of-conformity-eu251540en.pdf |
| DRAWINGS | eaton-operating-m30-potentiometer-dimensions.eps<br>eaton-operating-m30-dimensions-004.eps<br>eaton-operating-m30-dimensions-005.eps<br>eaton-operating-m30-dimensions-006.eps<br>eaton-general-approval-m22-symbol.eps<br>eaton-operating-m30-potentiometer-3d-drawing.eps<br>eaton-general-m22-symbol.eps |
| ECAD MODEL | DA-CE-ETN.M30C-FR2K2 |
| INSTALLATION INSTRUCTIONS | IL047030ZU<br>eaton-operating-devices-m30-rmq-titan-flat-front-instruction-leaflet-il047019zu.pdf |
| MCAD MODEL | DA-CS-potentiometer_flatfront<br>eaton-potentiometers-mcad-drawings-flatfront.dwg |
| WIRING DIAGRAMS | eaton-operating-potentiometer-m30-wiring-diagram.eps |

Downloaded from Arrow.com.

| | |
|---|---|
| **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, cyclic, to IEC 60068-2-30<br>Damp heat, constant, to IEC 60068-2-78 |
| **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** | 1 |

Downloaded from Arrow.com.

| | |
|---|---|
| **REVOLUTIONS - MIN** | |
| **OPENING DIAMETER** | 30 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** | Flat front |
| **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>15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms |
| **RESISTANCE** | 2200 Ohm |
| **TERMINAL CAPACITY (SOLID)** | 0.5 - 1.5 mm² |
| **TERMINAL CAPACITY (STRANDED)** | 0.5 - 1.5 mm² |
| **TIGHTENING TORQUE** | 0.5 Nm, Screw terminals |

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

**Eaton Corporation plc** Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2026 Eaton. All Rights Reserved.

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

Downloaded from Arrow.com.