

Part no. M22-R2K2
171157
EL Number 4315274
(Norway)

| General specifications | | |
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| Product name | | Eaton Moeller® series M22 Potentiometer |
| Part no. | | M22-R2K2 |
| EAN | | 4015081676477 |
| Product Length/Depth | | 70 millimetre |
| Product height | | 29 millimetre |
| Product width | | 29 millimetre |
| Product weight | | 0.028 kilogram |
| Compliances | | CE Marked |
| Certifications | | CSA Certified UL Listed UL File No.: E29184 UL Category Control No.: NKCR IEC/EN 60947-5 CSA Class No.: 3211-03 IEC/EN 60947 CE CSA UL 508 UL CSA-C22.2 No. 14-05 CSA File No.: 012528 VDE 0660 CSA-C22.2 No. 94-91 |
| Product Tradename | | M22 |
| Product Type | | Potentiometer |
| Product Sub Type | | None |
| Features & Functions | | |
| Bezel color | | Titanium |
| Design | | Classical |
| Electric connection type | | Screw connection |
| Fitted with: | | 3 individual screw terminals |
| General information | | |
| Accuracy | | ± 10 % (linear), Resistance value |
| 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 |
| Ambient conditions, mechanical | | |
| 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 |
| Climatic environmental conditions | | |
| 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 |
| Terminal capacities | | |
| Terminal capacity (solid) | | 0.5 - 1.5 mm ² |
| Terminal capacity (stranded) | | 0.5 - 1.5 mm ² |

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| Tightening torque | | 0.5 Nm, Screw terminals |
| Electrical rating | | |
| Power consumption | | 0.5 W |
| Rated insulation voltage (Ui) | | 250 V |
| Rated power | | 0.5 V-A |
| Resistance | | 2200 Ohm |
| Communication | | |
| Connection to SmartWire-DT | | No |
| Design verification | | |
| Equipment heat dissipation, current-dependent Pvid | | 0 W |
| Heat dissipation capacity Pdis | | 0 W |
| Heat dissipation per pole, current-dependent Pvid | | 0 W |
| Rated operational current for specified heat dissipation (In) | | 0 A |
| Static heat dissipation, non-current-dependent Pvs | | 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. |

Technical data ETIM 9.0

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| Low-voltage industrial components (EG000017) / Potentiometer for command devices (EC001027) | | |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Potentiometer for command devices (ecl@ss13-27-37-12-27 [AKF045019]) | | |
| Resistance | Ohm | 2200 |
| Power consumption | W | 0.5 |
| Hole diameter | mm | 22.5 |
| Number of revolutions | | 1 - 1 |
| Type of electric connection | | Screw connection |
| Degree of protection (IP) | | IP66 |
| Degree of protection (NEMA) | | Other |