

# Specifications



Photo is representative

## Eaton 232234

Eaton Moeller® series M22 Potentiometer,  
Classical, M22, 22.5 mm, R 47 kΩ, P 0.5 W,  
Bezel: black

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series M22 Potentiometer
<b>CATALOG NUMBER</b>	232234
<b>MODEL CODE</b>	M22S-R47K
<b>EAN</b>	4015082322342
<b>PRODUCT LENGTH/DEPTH</b>	70 mm
<b>PRODUCT HEIGHT</b>	29 mm
<b>PRODUCT WIDTH</b>	29 mm
<b>PRODUCT WEIGHT</b>	0.034 kg
<b>CERTIFICATIONS</b>	IEC/EN 60947-5 UL IEC/EN 60947 VDE 0660 UL Category Control No.: NKCR CSA Class No.: 3211-03 UL File No.: E29184 CSA File No.: 012528 CSA-C22.2 No. 94-91 UL 508 CE CSA CSA-C22.2 No. 14-05
<b>GLOBAL CATALOG</b>	232234



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## Product specifications

<b>TYPE</b>	Potentiometer
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Please enquire
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF</b>	Does not apply, since the entire switchgear needs to

## Resources

### CATALOGS

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)

[Flip catalog - Product Range Catalog - Command and indication](#)

### DECLARATIONS OF CONFORMITY

[eaton-key-operated-actuator-declaration-of-conformity-eu250864en.pdf](#)

[DA-DC-00004157.pdf](#)

[DA-DC-00004135.pdf](#)

### DRAWINGS

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

[eaton-general-approval-m22-symbol.eps](#)

[eaton-general-m22-standards.eps](#)

[eaton-general-m22-symbol.eps](#)

### ECAD MODEL

[ETN.232234.edz](#)

### FLYERS

[eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf](#)

### INSTALLATION INSTRUCTIONS

[IL04716002Z IL047030ZU](#)

### INSTALLATION VIDEOS

[RMQ Flat Design](#)

### MCAD MODEL

[DA-CD-potentiometer](#)

[DA-CS-potentiometer](#)

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

[easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator](#)

### MULTIMEDIA

[MCI MultiColor Light Indicator RMQ compact solution](#)

<b>ASSEMBLIES</b>	be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>ELECTRIC CONNECTION TYPE</b>	Screw connection
<b>FITTED WITH:</b>	3 individual screw terminals
<b>POLLUTION DEGREE</b>	3
<b>ACCURACY</b>	± 10 % (linear), Resistance value
<b>CLIMATIC PROOFING</b>	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
<b>CONNECTION TO SMARTWIRE-DT</b>	No
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	4000 V AC
<b>BEZEL COLOR</b>	Black
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0 W
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W

	<a href="#">MCI Multicolor Light Indicator M22 with SmartWire-DT</a>
<b>SALES NOTES</b>	<a href="#">eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf</a> <a href="#">eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf</a> <a href="#">eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf</a> <a href="#">eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf</a>
<b>WIRING DIAGRAMS</b>	<a href="#">eaton-operating-potentiometer-m30-wiring-diagram.eps</a>

<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	0 W
<b>NUMBER OF REVOLUTIONS - MAX</b>	1
<b>NUMBER OF REVOLUTIONS - MIN</b>	1
<b>OPENING DIAMETER</b>	22.5 mm
<b>RATED INSULATION VOLTAGE (UI)</b>	250 V
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	0 A
<b>RATED POWER</b>	0.5 VA
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0.5 W
<b>DESIGN</b>	Classical
<b>MOUNTING POSITION</b>	As required
<b>OVERVOLTAGE CATEGORY</b>	III
<b>DEGREE OF PROTECTION</b>	IP66 NEMA Other
<b>POWER CONSUMPTION</b>	0.5 W
<b>LIFESPAN, MECHANICAL</b>	25,000 Operations
<b>SHOCK RESISTANCE</b>	30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
<b>RESISTANCE</b>	47000 Ohm
<b>TERMINAL CAPACITY (SOLID)</b>	0.5 - 1.5 mm <sup>2</sup>
<b>TERMINAL CAPACITY (STRANDED)</b>	0.5 - 1.5 mm <sup>2</sup>
<b>TIGHTENING TORQUE</b>	0.5 Nm, Screw terminals

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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