

Specifications



Photo is representative



Eaton 229491

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

General specifications

PRODUCT NAME	Eaton Moeller® series M22 Potentiometer
CATALOG NUMBER	229491
MODEL CODE	M22-R10K
EAN	4015082294915
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 UL 508 EN 60947-5-1 CSA Std. C22.2 No. 14-05 VDE CSA Class No.: 3211-03 VDE 0660 CSA CE CSA File No.: 012528 UL Category Control No.: NKCR CSA-22.2 No. 14-05 UL UL File No.: E29184 IEC/EN 60947 IEC/EN 60947-5-1
GLOBAL CATALOG	229491

Product specifications

USED WITH	DILET series 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.

Resources

CATALOGS	Flip catalog - Product Range Catalog - Command and indication eaton-rmq-titan-brochure-br047004en-en-us.pdf eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-key-operated-actuator-declaration-of-conformity-eu250864en.pdf
DRAWINGS	eaton-operating-potentiometer-m22-dimensions-003.eps eaton-general-m22-symbol.eps eaton-general-approval-m22-symbol.eps eaton-general-m22-standards.eps
ECAD MODEL	ETN.229491.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
MULTIMEDIA	easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator MCI MultiColor Light Indicator RMQ compact solution MCI Multicolor Light Indicator M22 with SmartWire-DT

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 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

SALES NOTES

[eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf](#)

[eaton-control-circuit-devices rmq-titan-fl144090en-en-us.pdf](#)

[eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf](#)

[eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf](#)

WIRING DIAGRAMS

[eaton-operating-potentiometer-m30-wiring-diagram.eps](#)

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 NEMA Other
POWER CONSUMPTION	0.5 W
LIFESPAN, MECHANICAL	25,000 Operations
SHOCK RESISTANCE	Mechanical, According to IEC/EN 60068-2-27 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:

DATE:



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