DATASHEET - M22S-R4K7

Potentiometer, Classical, M22, 22.5 mm, R 4.7 kΩ, P 0.5 W, Bezel: black

Powering Business Worldwide™

Part no.	**M22S-R4K7**
	232232
EL Number (Norway)	**4355470**

General specifications

Product name	Eaton Moeller® series M22 Potentiometer
Part no.	M22S-R4K7
EAN	4015082322328
Product Length/Depth	70 millimetre
Product height	29 millimetre
Product width	29 millimetre
Product weight	0.034 kilogram
Compliances	Contact Manufacturer
Certifications	IEC/EN 60947 UL Category Control No.: NKCR CSA File No.: 012528 IEC/EN 60947-5 CE CSA Class No.: 3211-03 UL UL File No.: E29184 CSA CSA-C22.2 No. 94-91 VDE 0660 CSA-C22.2 No. 14-05 UL 508
Product Tradename	M22
Product Type	Potentiometer
Product Sub Type	None

Features & Functions

Bezel color	Black
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
Used with	Modular pushbutton

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

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			4700 Ohm
Communication			
Connection to SmartWire-DT			No
Design verification			
Equipment heat dissipation, current-dependent Pvid			0 W
Heat dissipation capacity Pdiss			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

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	4700
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