

Potentiometer, Classical, M22, 22.5 mm, P 0.5 W, Bezel: titanium, robust handling $\,$



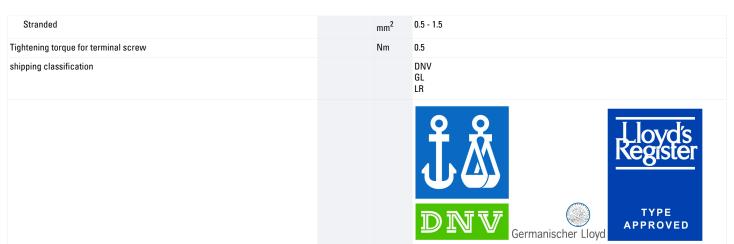
Part no. M22-R*-*-RH Catalog No. 288863 Alternate Catalog -No.

	program

Delivery program					
RMQ design			Classical		
Part group reference (e.g. DIL)			M22		
Mounting hole diameter	Ø	mm	22.5		
Basic function			Potentiometer		
Single unit/Complete unit			Single unit		
Description			3 individual screw terminals Accuracy of resistance value: ± 10% (linear) with large operationing head		
Contact sequence			<u>Z1</u> <u>Z2</u>		
Resistor			Selectable, → Note		
Rated power	P	W	0.5		
Degree of Protection			IP66		
Front ring			Bezel: titanium		
Connection to SmartWire-DT			no		
Notes					
When ordering, the type reference must include the following details:					
1 1 2 2 4 4 1 1 2 2 4 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1. wildcard \triangle resistance values: 1K = 1 kΩ 2K2 = 2.2 kΩ 4K7 = 4.7 kΩ 10K = 10 kΩ 22K = 22 kΩ 47K = 47 kΩ 100K = 100 kΩ 470K = 470 kΩ 1M = 1 MΩ 2nd wildcard \triangle Standard scale/inscription: X1000 without scale/inscription: "-"		

Technical data

General			
Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations		25000
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Degree of Protection			IP66
Ambient temperature			
Open		°C	-25 - +70
Mounting position			As required
Mechanical shock resistance		g	30 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27
Terminal capacities		mm^2	
Solid		mm ²	0.5 - 1.5



Contacts

Rated impulse withstand voltage	U_{imp}	V AC	4000
Rated insulation voltage	Ui	V	250
Overvoltage category/pollution degree			III/3

Design verification as per IEC/EN 61439

besign vernication as per 120/214 01-33			
Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	0.5
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
C/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties			
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 observed.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must observed.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

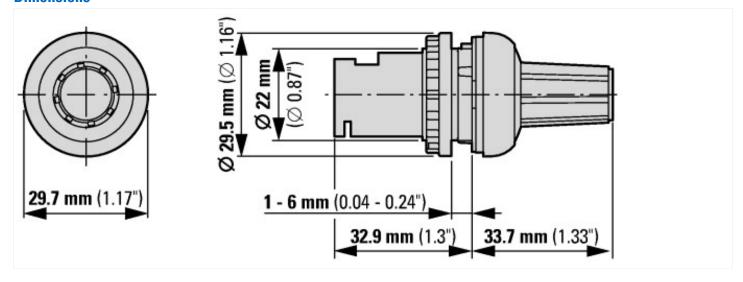
Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Potentiometer for control circuit devices (EC001027)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Potentiometer for command devices (ecl@ss10.0.1-27-37-12-27 [AKF045014])			
Resistance	Ohm	0	
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)		4X	

Approvals

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Product Standards	IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking
UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	012528
CSA Class No.	3211-03
North America Certification	UL listed, CSA certified
Degree of Protection	UL/CSA Type 3R, 4X, 12, 13

Dimensions



Assets (links)

Declaration of CE Conformity 00003256

Additional product information (links)

IL04716002Z (AWA1160-1745) RMQ-Titan System

IL04716002Z (AWA1160-1745) RMQ-Titan System

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2018_10.pdf