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technology matters

Potentiometer Wirewound
Model POD 200

Features

- high power derating
- high wipercurrent
- excellent linearity

Applications

- adjustment applications
- welding machines

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Electrical Characteristics

Resistance range	1kΩ, 5kΩ, 10kΩ	(1)
Resistance tolerance	± 5%	(1)
Effective electrical angle	320°	(1)
Independant linearity	± 0,5%	(1)
Power rating	2,0W at 40°C	
Resolution	0,44% ÷ 0,12%	
Max. wipercurrent	100mA in failure mode	
Noise ENR	≥ 100 Ω at 1 mA	
Insulation resistance	10 GΩ bei 500 VDC	
Dielectric withstanding voltage	1000 VAC	
Voltage divider	< ± 40 ppm/°C	

Mechanical Characteristics

Life cycles	200.000 cycles	
Mechanical angle	320°	(2)
Seal condition	IP 65	(1)
Torque (starting & running)	< 0,7 Ncm	(1)
Increased torque	optional to 2-5 Ncm	
Bearing	solid bearing	

Environmental Characteristics

Operating temperature	-25°C ... +85°C
Climatic rating	25/085/56
Vibration	10G
Shock	50G

Material

Body mould	thermoplastic
Shaft	brass nickel plated
Terminals	gold plated

Specifications subject to change without notice
(1) Other values on request
(2) Without stops on request

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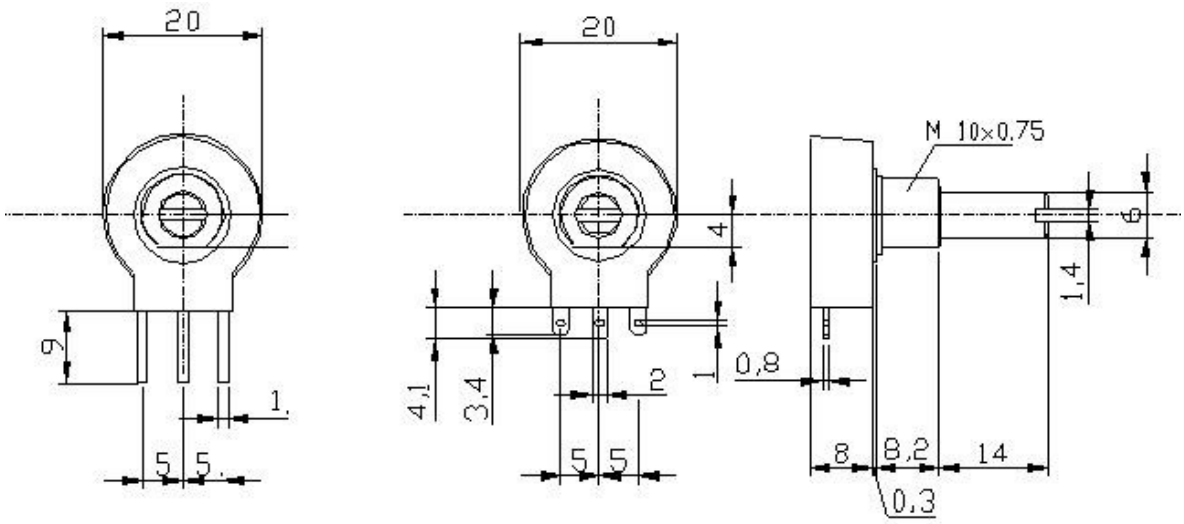
Drawing



How to order

P	O	D	2	0	0	M	G	L	E	1	0	K	3	2	0	°	L	ö

Series

potentiometer wirewound

Type

Body diameter: 20mm

Fixture

M - M10 thread
∅ 6mm Axle with slot
Spindle length starting from threaded part
17 mm

Spindle storage

GL - Solid bearing

Resistance

1K
5K
10K

E - Axle mechanically rev pralle
P - With torque stop pin at the body mould
O - Without torque stop pin at the body mould

Electrical angle

320°

Possible connection

Lö - Solder taps
PI - Print soldering irons

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