



High Precision

IP65 Protection

- ***Infinite Resolution***
- ***10 Million Turns Life***
- ***1K, 5K and 10K Resistance Values***
- ***320° Electrical Angle of Measurement***

Our high precision, long life MP20 series conductive plastic potentiometer encased in an IP65 housing with 1.5 meter cable. Ideal for food industry, marine industry, outdoor machinery and other environmentally challenging applications.

Electrical Specifications

Electrical Angle	320 ±5°
Resistance Value (ohms)	10k standard (1k, 5k optional)
Resistance Tolerance	± 15%
Linearity Tolerance (std.)	±1%
Linearity Tolerance (best)	±0.5%
Temperature Coefficient	< 20 ppm / K
Wiper current	< 0.1mA (continuous)
Power @ 40°C (W)	0.8
Noise	< 0.5% per MIL-R-39023

Mechanical Specifications

Mechanical Angle	360° (continuous)
Life Expectancy	10,000,000 cycles
Operating Torque	1 Ncm max.
Bearing	sleeve
Weight	20 grams

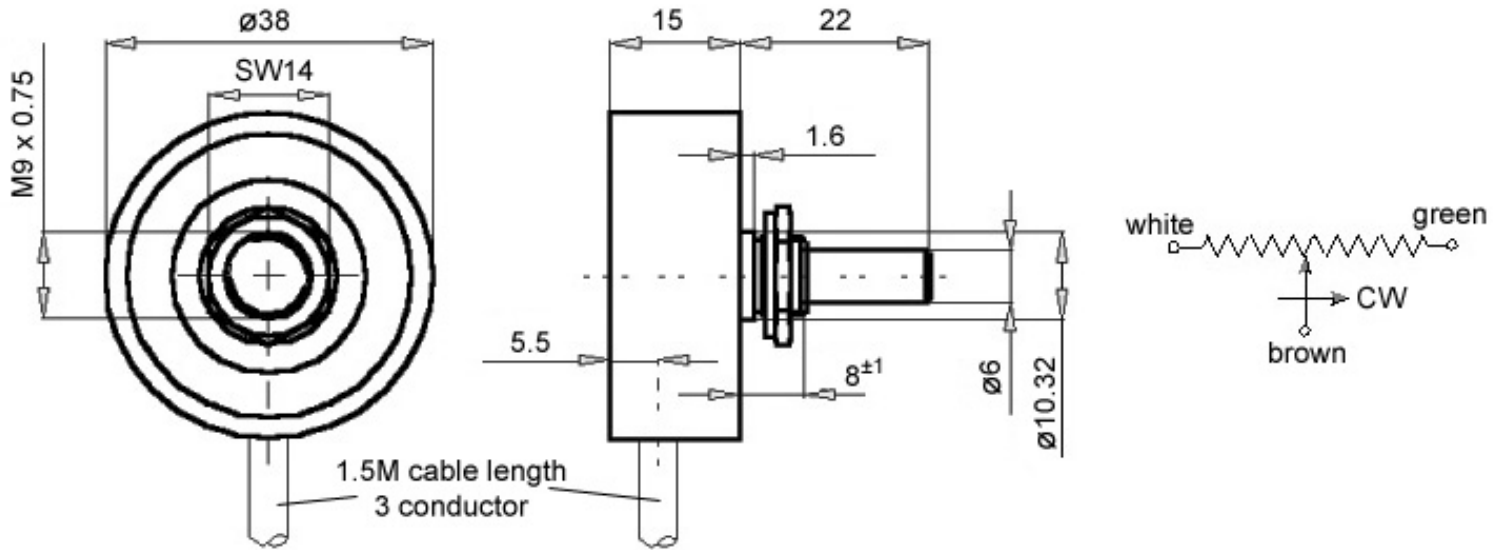
Environmental Specifications

Operating Temperature	-25°C to +85°C
Storage Temperature	-40°C to +85°C
Shock	30 G / 6 ms
Vibration	10 G / 50hz
Protection Grade	IP65

Materials

Housing	Polyamid, glass fiber reinforced
Shaft	Stainless steel
Bushing	Metal

Dimensions (mm)



Options

- Special shaft machining
- Special resistance values
- Custom operating angles

P3 America
3089C Clairemont Dr. #363 - San Diego, CA 92117
Phone:(858) 277-1420 Fax: (858) 225-0439
www.p3america.com

© P3 America 2004. All Rights Reserved