



**High Precision**

**Heavy Duty**

**Oil Filled - Sealed**

- **10 Million Turns Life**
- **Infinite Resolution**
- **Strong All Metal Construction**
- **1K to 100K Ohm Resistance Values**
- **IP65 Protection Grade**

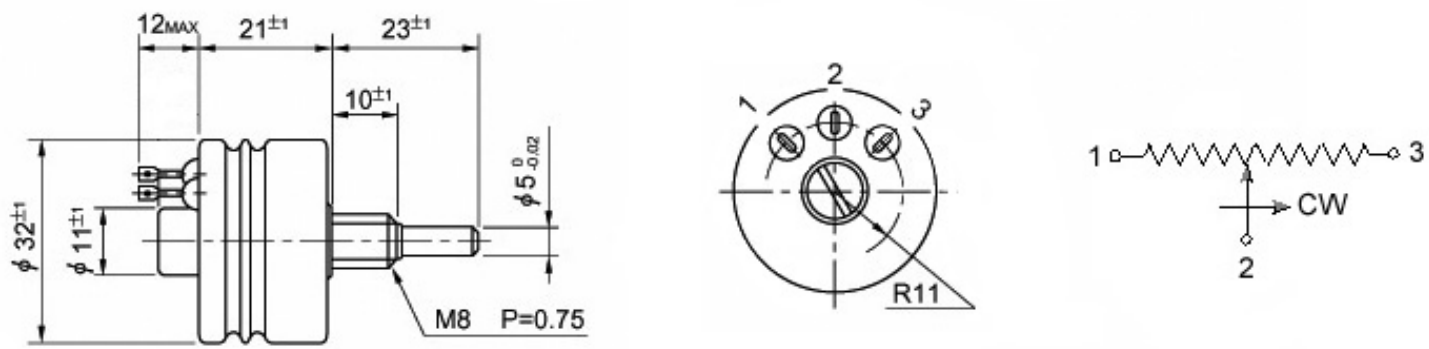
Specifically designed for operation in the worst environmental conditions such as salt, moisture, organic gases, etc. Hybrid element is hermetically sealed and bathed in a special mineral oil that contains no organic substances such as PCB's. Ideal for the marine industry, pits and mines, forestry machinery, chemical factories and any other environmentally challenging application.

Electrical Specifications		
Electrical Angle		280 ±5°
Resistance Value	(ohms)	1k ~ 100k
Resistance Tolerance		±10% (±3% opt.)
Linearity Tolerance	(std.)	±1%
Linearity Tolerance	(best)	±0.5%
Resolution		Essentially infinite
Output Smoothness		< 0.1%
Wiper Current		1 mA
Power @ 70°C	(W)	0.75
Insulation Resistance		1000 Mohm @ 1000 VDC
Dielectric Strength		1 minute @ 1200 VAC
Temperature Coefficient		±400 ppm/deg.C
Mechanical Specifications		
Mechanical Angle		360° (continuous)
Life Expectancy		10,000,000 cycles
Maximum Operating Torque		< 3 Ncm
Axial Play of Shaft	(mm)	< 0.1
Radial Play of Shaft	(mm)	< 0.1
Vibration		15G, 10Hz to 2,000Hz
Shock		50G, 11ms
Weight		40 grams
Bearing		Sleeve
Environmental Specifications		
Operating Temperature		-30°C to +60°C
Protection Grade		IP65
Standards		MIL-R-12934

**Materials**

Housing	Metal
Shaft	Stainless steel
Bushing	Metal
Terminals	Tin plated, Glass header

**Dimensions (mm)**



**Options**

- Special shaft machining
- Special resistance values
- Special operating angles
- Center tapped element
- Servo Mount
- Custom cabling

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