

Very Low Cost Panel Controller

- $\pm 1\%$ Linearity Tolerance
- $\pm 10\%$ Resistance Tolerance
- 100 ohms to 10K ohms Values
- 50,000 Turns Life



Very good linearity and resistance tolerance at a very low cost makes this industrial grade potentiometer an ideal choice for manual control applications. Some options available.

Electrical Specifications

| | | |
|-----------------------|--------|------------------------------|
| Electrical Angle | | $300^\circ \pm 10^\circ$ |
| Resistance Value | (ohms) | 100 ~ 10k |
| Resistance Tolerance | | $\pm 10\%$ ($\pm 5\%$ opt.) |
| Linearity Tolerance | (std.) | $\pm 1\%$ |
| Linearity Tolerance | (opt.) | $\pm 0.75\%$ |
| Power @ 40°C | (W) | 2.0 |
| Insulation Resistance | | 750 Mohm @ 500 VDC |
| Dielectric Strength | | 750 VAC |

Mechanical Specifications

| | | |
|----------------------------|--|--------------------------|
| Mechanical Angle | | $300^\circ \pm 10^\circ$ |
| Maximum Operating Friction | | 1.5 Oz-in. |
| Life Expectancy | | 50,000 cycles |
| Housing Diameter | | 25mm (1") |
| Bearing | | sleeve |

Environmental Specifications

| | | |
|-----------------------|--|--|
| Operating Temperature | | -30°C to $+85^\circ\text{C}$ |
| Standards | | IEC 393 |
| Protection Grade | | IP40 |

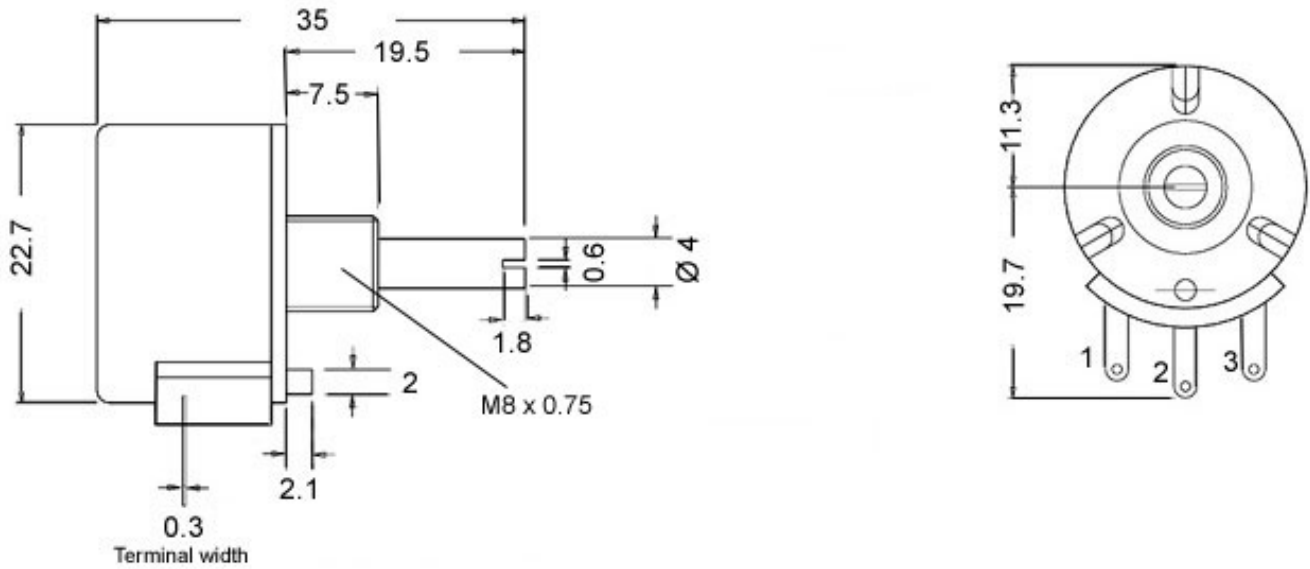
Materials

| | | |
|-----------|--|---------------|
| Housing | | Thermoplast |
| Shaft | | Nickel plated |
| Bushing | | Nickel plated |
| Terminals | | Solderable |

Resolution Chart

| Resistance Value (ohms) | Resolution (%) |
|-------------------------|----------------|
| 100 | 0.695 |
| 200 | 0.480 |
| 500 | 0.590 |
| 1K | 0.462 |
| 2K | 0.332 |
| 5K | 0.238 |
| 10K | 0.220 |

Dimensions (mm)



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