

SINGLE TURN POTENTIOMETER

Model NPS12

∅ 12 mm

3 000 000 Cycles (Shaft Rotations)

Conductive Plastic



RESENZO

SMARTER SENSING AND CONTROL

Features:

- Excellent Lifetime
- Robust Construction
- Good linearity

Applications:

- Welding and Soldering Machines
- Nominal/Target Value setting
- Measuring Instruments
- Simple Servo Systems



Electrical Data:

Resistance Range	: 1kΩ, 2 kΩ, 5 kΩ, 10kΩ
Resistance Tolerance	: ± 20%
Eff. Ele. Travel	: 308° nom.
Linearity	: ± 3 %
Power Rating	: 1 W at 70°C
Resolution	: Essentially ∞
Max. Wiper Current	: 10 mA in case of Failure (10 Sec)
Supply Voltage	: As per Diagram
Contact Resistance	: Within 2% CRV
Insulation Resistance	: 500 MΩ at 500Vdc
Dielectric Strength	: 500Vac
Temperature Coefficient	: ± 400 ppm/°C

Mechanical Data:

Life	: 3 000 000 Cycles
Mech. Angle	: CR
Protection Class	: IP65
Running Torque	: 5 N.mm
Bearing	: Sleeve

Environmental Data:

Storage Temperature	: -40°C to +105°C
Operating Temperature	: -40°C to +105°C
Terminals	: Wire terminals

Material:

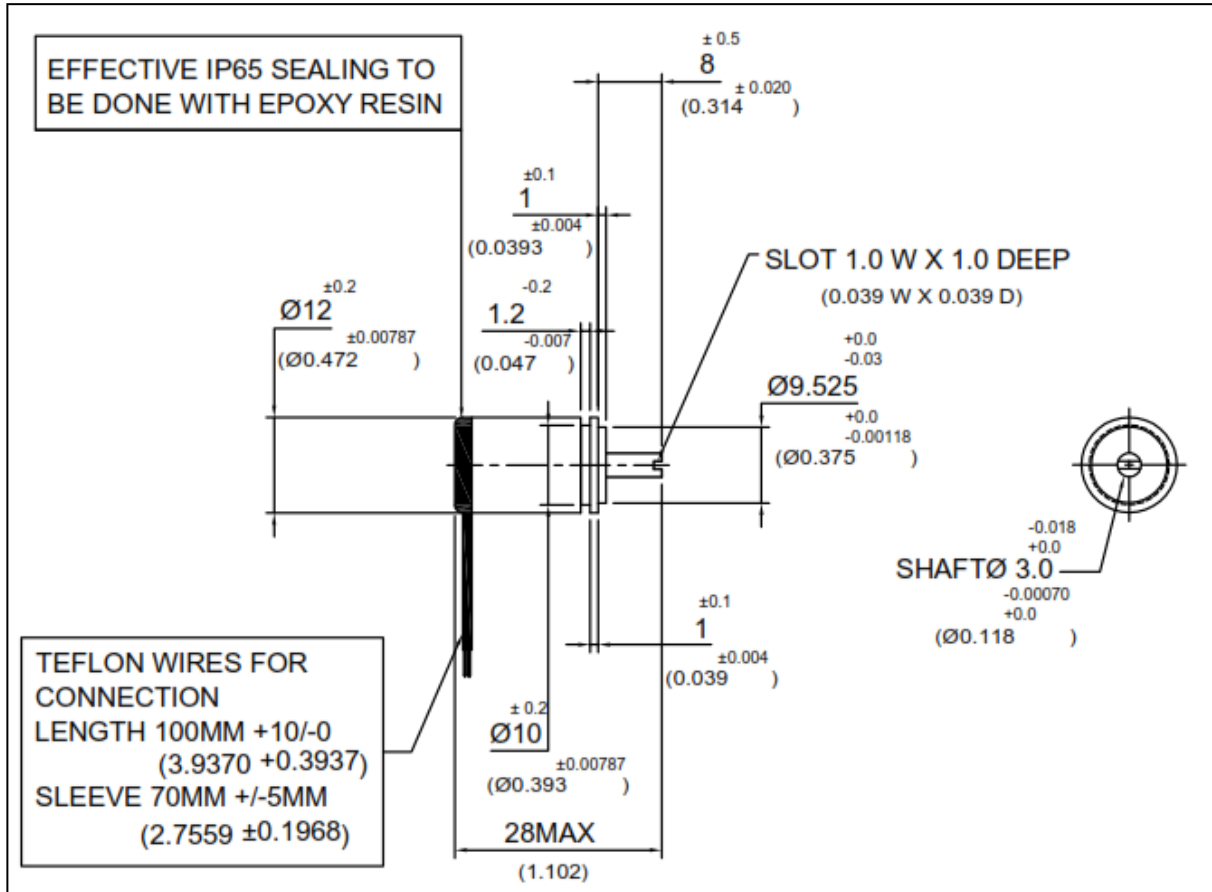
Housing	: Brass Plated
Shaft	: Stainless Steel

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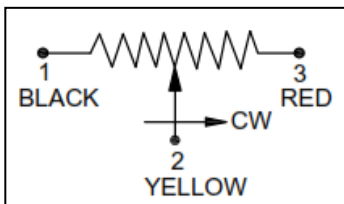


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Dimensional Drawing:



Connection Drawing:



Options:

Upon Request

Specifications subject to change without notice