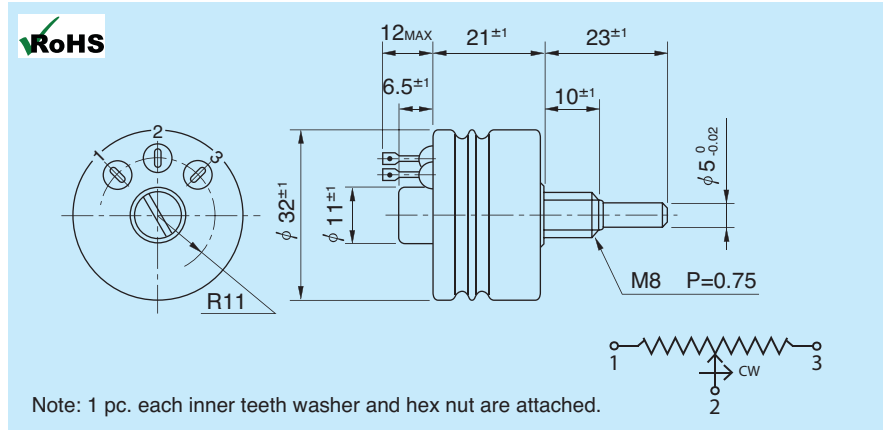


Single Turn Wirewound Potentiometer
IP65 Protection / Oil-Filled

Series STWOF30
STWOF30S



• **Standard Model Nos.**

- STWOF30 (without stop)
- STWOF30S (with stop)

Suitable for harsh environments; salt, moisture, organic gases etc.

• **General Specifications (Note 1)**

Resistance Values (Ω): 500, 1K, 2K, 5K, 10K, 20K

Noise: Below 100 ohms E.N.R.

Electrical Travel: STWOF30 280° \pm 5°
STWOF30S 280° \pm 5°

Resistance Tolerance: Standard Class \pm 10%
Precision Class \pm 5%

Mechanical Travel: STWOF30 360° (continuous)
STWOF30S 300°

Independent Linearity Tolerance: Standard Class \pm 2.0%
Precision Class \pm 0.5%

Insulation Resistance: >1000M ohms @ 1000 VDC

Dielectric Strength: 1 minute @ 1000 VAC

Power Rating: 0.75W

Starting Torque: <30mN•m (300gf•cm)

Rotational Life: 200,000 shaft revolutions (no load)

Temperature Coefficient

of Wire: \pm 20p.p.m / °C

Protection Grade: IP65

Vibration: 10G / 10 Hz to 2,000 Hz

Operating Temperature: -30°C ~ +60°C

Shock: 30G / 11ms

Mass: Approx. 40g

• **Resolution Chart**

Resist. Value (Ω)	500	1k	2k	5k	10k	20k
Resolution (%)	0.25	0.20	0.15	0.11	0.091	0.067
Resist. Wire Used	Ni-Cr System					

• **Special Specifications Available**

Special lower practical resistance values (50 Ω to 200 Ω), Extra taps (Available up to 1 tap), Special electrical travel, Shaft dia. (\varnothing 3.175mm)•bushing with inch dimensions, Special machining on the shaft, With stopper (Rotating angle becomes 300° and stopper strength is 0.3N•m [3kgf•cm]).

Note 1: Customers should test and verify device performance in any given application. General specifications values are measured at temperatures of +15°C ~ +35°C. Specifications are subject to change without notice.