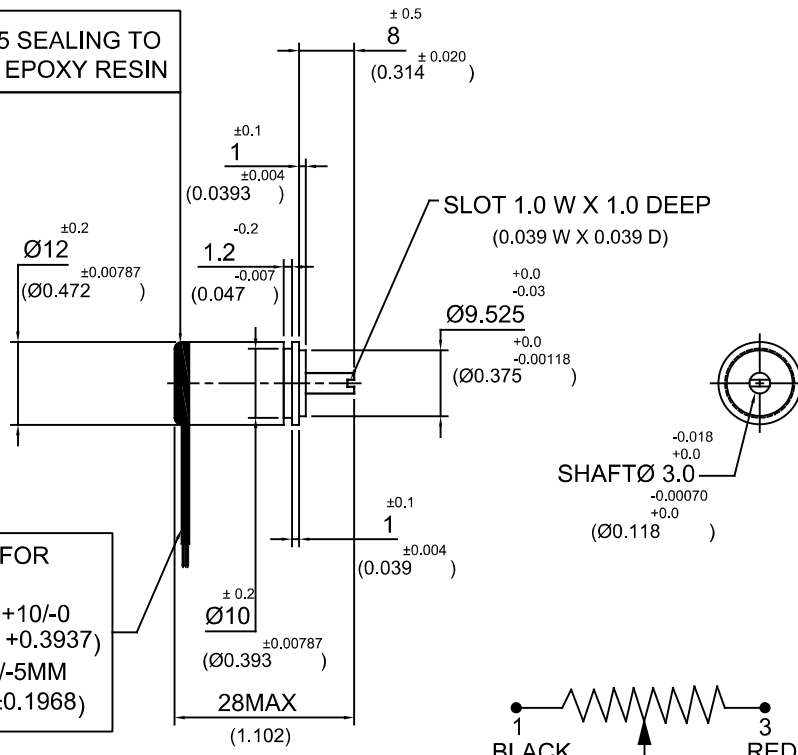
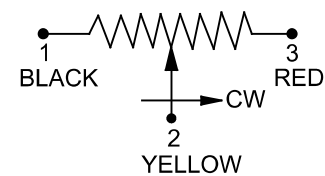


DIMENSIONS :- METRIC(INCH)

EFFECTIVE IP65 SEALING TO BE DONE WITH EPOXY RESIN



SHAFT Ø 3.0  
(Ø0.118)



**SCHMATIC DIAGRAM**

TEFLON WIRES FOR CONNECTION  
LENGTH 100MM +10/-0  
(3.9370 +0.3937)  
SLEEVE 70MM +/-5MM  
(2.7559 ±0.1968)

**FEATURES:-**

1. CONDUCTIVE PLASTIC LONG LIFE RESISTANCE ELEMENT.
2. BRASS PLATED PRECISION MACHINED BODY.
3. SPECIAL SMALLER ELECTRICAL ANGLES..... AVAILABLE OPTION.
4. PRECIOUS METAL HIGH TECHNOLOGY WIPER GIVES NOISE FREE OUTPUT.

ELECTRICAL CHARACTERISTICS	UNITS	VALUE
Resistance Element...	--	Conductive Plastic
Total Resistance...	Ohms	1k,2k,5k,10K Other values upto 100k
Standard Resistance Tolerance...	%	±20
Independent Linearity Tolerance...(IEC 60393)...	%	±3
Electrical angle...	Degrees	308°±5°
Resolution...	--	Essentially infinite
Power Rating @ 70°C...	Watts	0.5
Insulation Resistance @ 500 Vdc...	M Ohms	500
Dielectric Strength ...	V ac	500
Maximum Wiper current...	mAmps	1
Short time wiper current 10 sec. ...	mAmps	10
End voltage as a % of applied voltage...	%	< 0.5 maximum

**MECHANICAL CHARACTERISTICS :-**

Rotation (Mechanical Angle) Continuos...	Degrees	360°
Bearing Type...	--	Sleeve
Torque... Starting...	N.mm Oz inch	7.0 (0.991)
Torque... Running...	N.mm Oz inch	5.0 (0.708)
Axial play...	mm (Inch)	0.15 (0.0059)
Radial play...	mm (Inch)	0.15 (0.0059)

**ENVIRONMENTAL CHARACTERISTICS :-**

Operating Temperature...	Degrees C	- 40 to + 105
ROHS compliance...	---	Yes
Protection class...	---	IP65

**PERFORMANCE :-**

Rotational Life (shaft Revolutions)...	Nos.	3,000,000 ( Typical )
--	------	-----------------------

**MATERIALS OF CONSTRUCTION:-**

Housing...	--	Brass plated
Shaft...	--	Stainless Steel
Terminals...	--	19/32 Teflon multi strand wire
Mounting Hardware ...	--	Servo mounting

UNI-AUTOMATION (I) PVT. LTD.  
TEL / FAX : +91-20-24440890  
www.uniautomation.com

**SINGLE TURN CONDUCTIVE PLASTIC POTENTIOMETER**

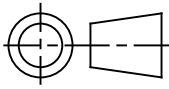
**MODEL NPS12 (017)**

FIRST ISSUE : 07/05/2015

SCALE : 1:1

TOLERANCES  
DIN-ISO 2768-1 (1991-06)  
(TOLERANCE CLASS-MEDIUM)

**UAPL PART NO.**  
**129017**



CUSTOMER DRAWING REF NO  
NA

REV - 00

CUSTOMER :UAPL STANDARD

SHEET  
1 Of 1