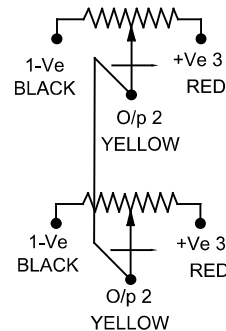
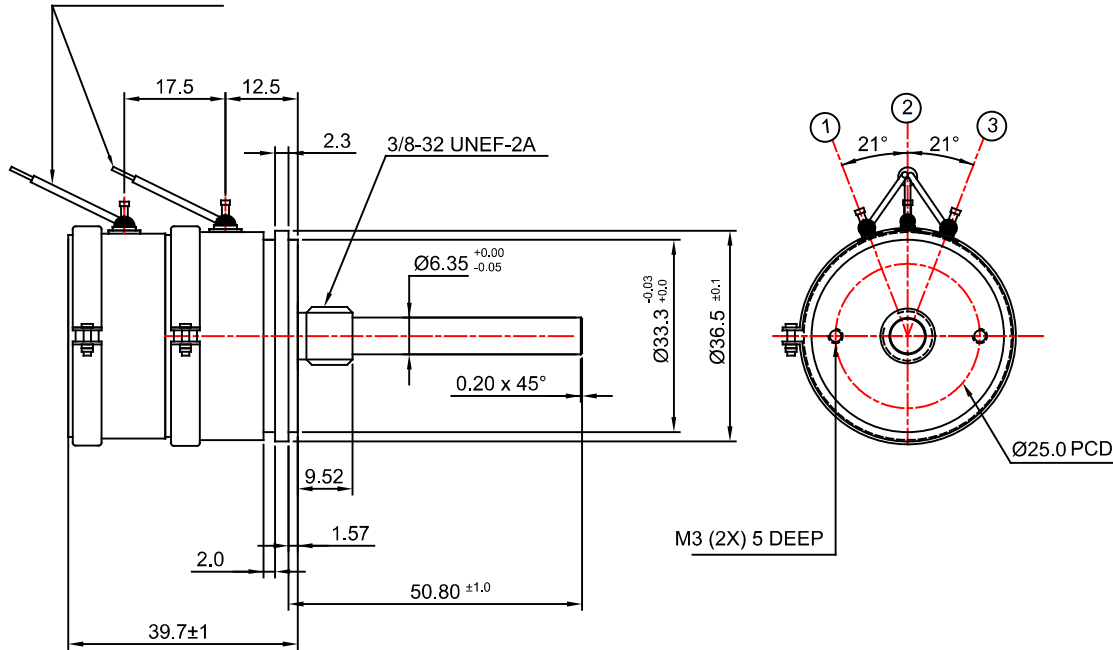


DIMENSIONS :- METRIC

WIRE 20 AWG, SAE- 3-1560 TYPE SXL STANDARD (7 X 28AWG)
305±10mm STRIPING 5MM ±2 AT THE END



ELECTRICAL SCHEMATIC DIAGRAM

FEATURES:-

1. CONDUCTIVE PLASTIC LONG LIFE RESISTANCE ELEMENT.
2. ANODIZED ALUMINIUM PRECISION MACHINED BODY.

ELECTRICAL CHARACTERISTICS	UNITS	VALUE
RESISTANCE ELEMENT...	—	CONDUCTIVE PLASTIC
RESISTANCE VALUE...	Ohms	1k + 1k
STANDARD RESISTANCE TOLERANCES...	%	±10
STANDARD INDEPENDENT LINEARITY TOLERANCES...(IEC 393)...	%	<0.5
ELECTRICAL ANGLE...	DEGREES	350° ± 3°
RESOLUTION...	--	ESSENTIALLY INFINITE
TEMPERATURE COEFFICIENT OF RESISTANCE (TCR)...	ppm/deg C	±400
POWER RATING @ 70° C...	Watts	2
INSULATION RESISTANCE @ 500 VDC...	M Ohms	1000
DIELECTRIC STRENGTH @ 50 HZ...	V ac	500
MAXIMUM WIPER CURRENT...	mAmps	1
SHORT TIME WIPER CURRENT 10 SEC...	mAmps	10
END VOLTAGE % OF APPLIED VOLTAGE...	%	0.5
TRACKING ERROR (INTER LINEARITY BETWEEN CUPS)... OF APPLIED VOLTAGE	2 Gang	<2%

MECHANICAL CHARACTERISTICS :-

ROTATION (MECHANICAL ANGLE)...	DEGREES	360°
BEARING TYPE...	--	SLEEVE , REAR END BALL BEARING
TORQUE... STARTING...	NMM (OZ INCH)	<8 (1.1328)
TORQUE... RUNNING...	NMM (OZ INCH)	5 (0.708)
AXIAL PLAY...	M.M.(INCH)	0.1 (0.00393)
RADIAL PLAY...	M.M.(INCH)	0.1 (0.00393)

ENVIRONMENTAL CHARACTERISTICS :-

OPERATING TEMPERATURE...	DEGREES C	-40 to +105
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PERFORMANCE :-

ROTATIONAL LIFE (SHAFT REVOLUTIONS)...	NOS.	5,000,000
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MATERIALS OF CONSTRUCTION:-

HOUSING...	--	ALUMINUM WHITE ANODIZED
SHAFT...	—	STAINLESS STEEL
TERMINALS...	--	BRASS, GOLD PLATED STUD TYPE TERMINAL WITH AWG20 WIRE

SOLDERING RECOMMENDATION :- USE SOLDERING IRON AT 350° C FOR 3 SECOND MAXIMUM.
CLEAN THE SOLDERED PADS WITH ISOPROPYL ALCOHOL AFTER SOLDERING.
CONTINUOUS IMPROVEMENTS ARE BEING MADE FOR ENHANCING PERFORMANCE FOR CUSTOMER
BENEFIT IN PRODUCT DESIGN & PROCESS.THE PRODUCT SUPPLIED MAY BE SLIGHTLY DIFFERENT THAN
DESCRIBED BY ABOVE SPECIFICATIONS

UNI-AUTOMATION (I) PVT LTD

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SERVO POTENTIOMETER CONDUCTIVE PLASTIC

40CP-GANG (116)

FIRST ISSUE :10/09/2024

SCALE:-1:1

UAPL PART NO

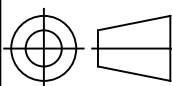
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CUSTOMER DRAWING REF NO
NA

REV - 00

CUSTOMER :STD

SHEET:-1of1



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