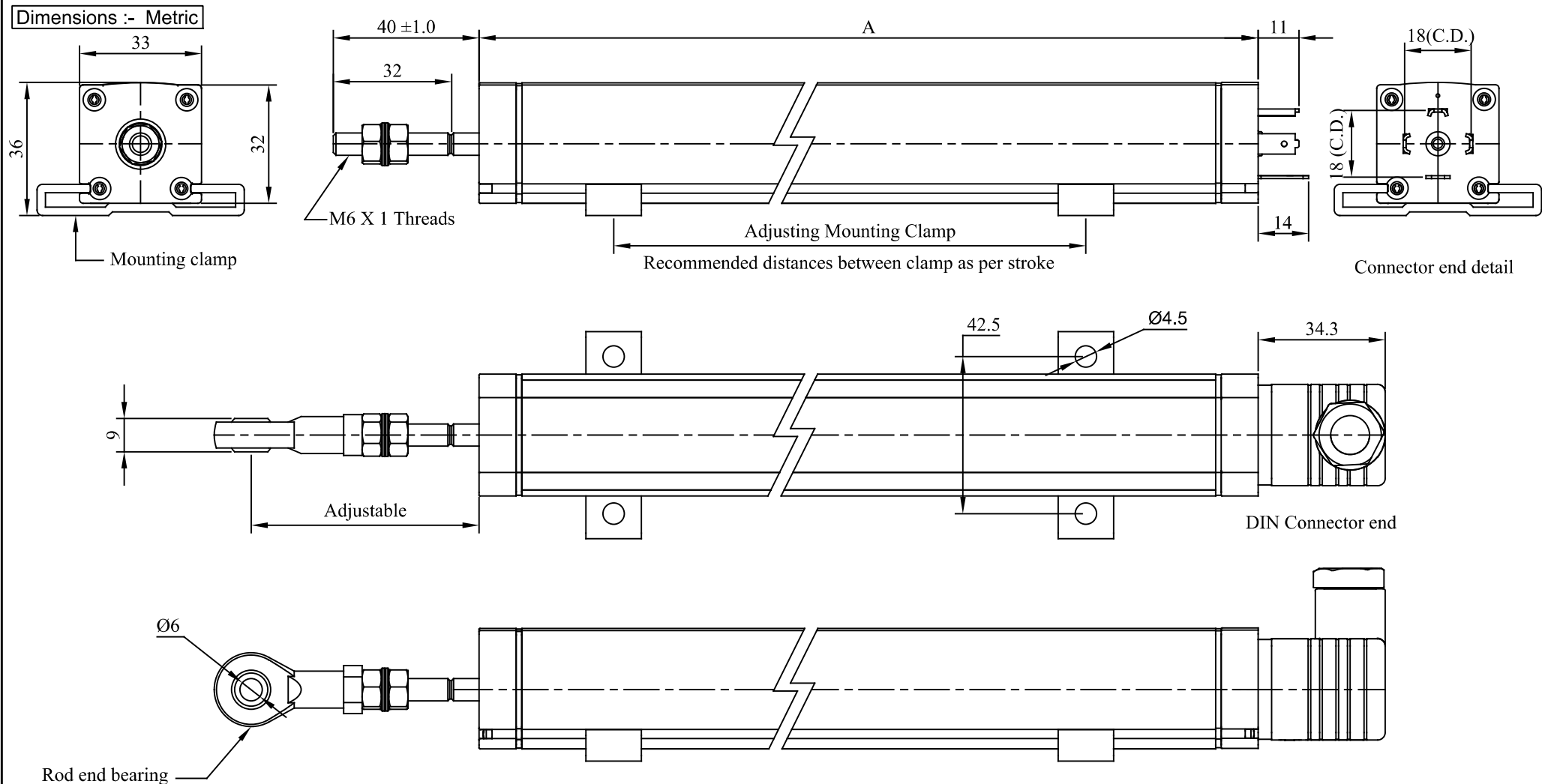


ELECTRICAL SCHEMATIC DIAGRAM

Uni-Automation (I) Pvt Ltd

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**CONDUCTIVE PLASTIC
LINEAR MOTION POTENTIOMETER**

MODEL UNILIN 33 (760)

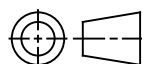
First Issue : 28/07/17

Scale : 1:1

Tolerances
DIN-ISO 2768-1 (1991-06)
(Tolerance class-medium)

UAPL PART NO

149760



CUSTOMER DRAWING REF NO
NA

CUSTOMER : UAPL STANDARD

REV -01

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NOTE :-

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

Electrical Data																								
Electrical Stroke (useful stroke 100%)	50	75	100	130	150	175	200	225	250	275	300	325	360	375	400	450	500	550	600	750	900	mm		
Nominal resistance	3	3	3	5	5	5	5	7	7	7	5	10	10	10	10	10	10	15	15	15	15	kΩ		
Resistance tolerance	20																					±%		
Independent linearity (Typical)	0.05																					±%		
Repeatability	0.01																					mm		
Recommended operating wiper current	≤ 1																					mAmp		
Maximum permissible wiper current (in case of system failure)	10																					mAmp		
Maximum permissible applied voltage	24																					VDC		
Effective temperature coefficient of the output-to-applied voltage ratio	Typical 5																					ppm/K		
Insulation resistance (500 VDC)	500																					MΩ		
Dielectric strength (50 Hz)	500																					Vdc		
Mechanical Data																								
Body length (dimension A)	115	140	165	195	215	240	265	290	315	340	365	390	425	440	465	515	565	615	665	815	965	±3 mm		
Mechanical stroke	55	80	105	135	155	180	205	230	255	280	305	330	365	380	405	455	505	555	605	755	905	±3 mm		
Total weight (+/- 20 g)	133	200	230	270	300	330	360	390	400	450	480	510	550	570	600	660	720	780	850	1030	1200	g		
Operating force with seal for IP 65	< 10																					N		
Environmental Data																								
Temperature range	-40 ... +125																					°C		
Vibration	5...2000																					Hz		
Shock	50																					g		
Life	25 x 10 ⁶																					movem.		
Operating speed	10																					m/s max.		
Protection class	IP65																							

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CONDUCTIVE PLASTIC LINEAR MOTION POTENTIOMETER

MODEL UNILIN 33 (760)

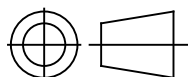
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TOLERANCES
DIN-ISO 2768-1 (1991-06)
(TOLERANCE CLASS-MEDIUM)

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