

Linear Motion Potentiometer
Model UNILIN-33
Ø 33 mm
10 000 000 strokes
Conductive Plastic



RESENZO
 SMARTER SENSING AND CONTROL

Features:

- Excellent Lifetime
- Robust Construction
- Simple mounting

Applications:

- Injection Moulding Machines
- Textile Washing Machines
- Instrumentation



Electrical Data:		Mechanical Data:	
Resistance Range	See Table	Life	10'000'000 Strokes
Resistance Tolerance	± 20%	Repeatability	0.01mm
Linearity	± 0.05% optional +/- 0.01%	Operating Speed	Max 10 m/s
Power Rating	1 W at 70°C	Protection Class	IP65
Eff. Electrical Travel	50mm – 900mm		
Resolution	Essentially ∞		
Max. End Voltage	<0.5% of applied Voltage		
Max. Wiper Current	10 mA in case of Failure		
Recommended Wiper Current	<1 mA		
Insulation Resistance	500MΩ at 500 VDC		
Dielectric Strength	500 VAC		
Temperature Coefficient of Output-to-applied voltage ratio	5 ppm/K		

Environmental Data:

Storage Temperature : -40°C to +125°C
 Operating Temperature : -40°C to +125°C

Material:

Housing : Anodised ALU
 Push Rod : Stainless Steel

Options:

Upon Request

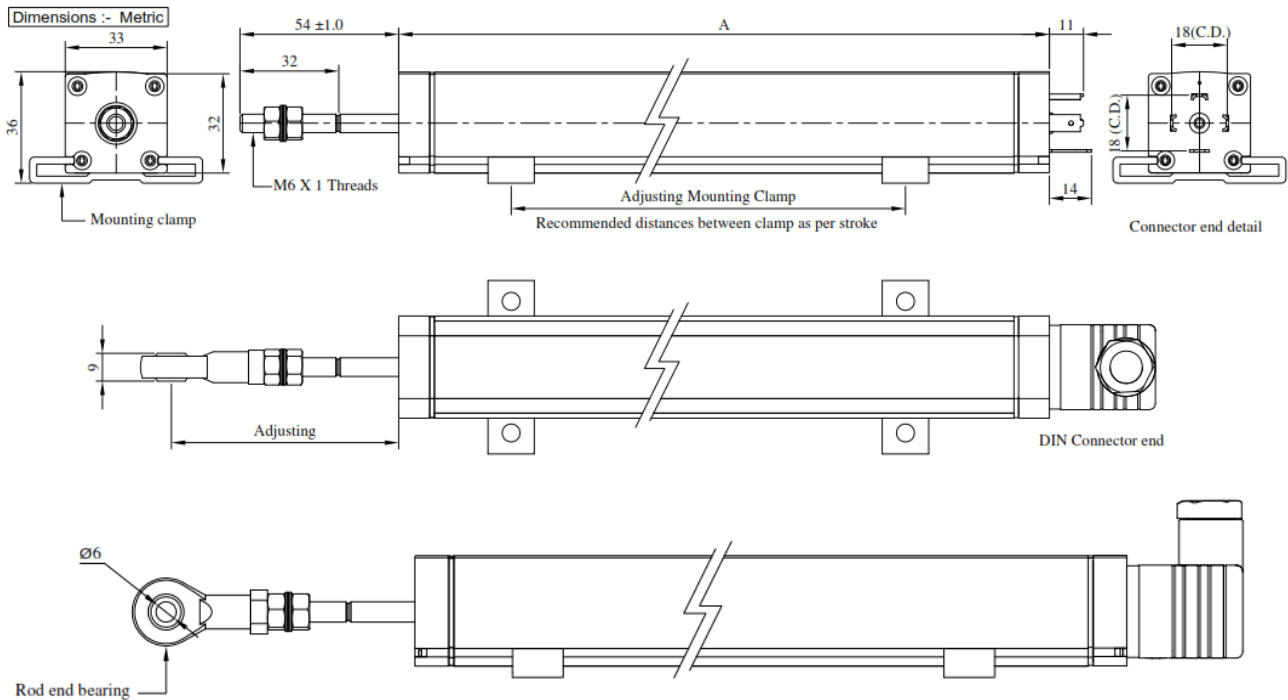
Specifications subject to change without notice

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Standard Design:



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	7	10	10	10	10	10	10	15	15	15	15	kΩ

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 9

Connection Diagram:

