

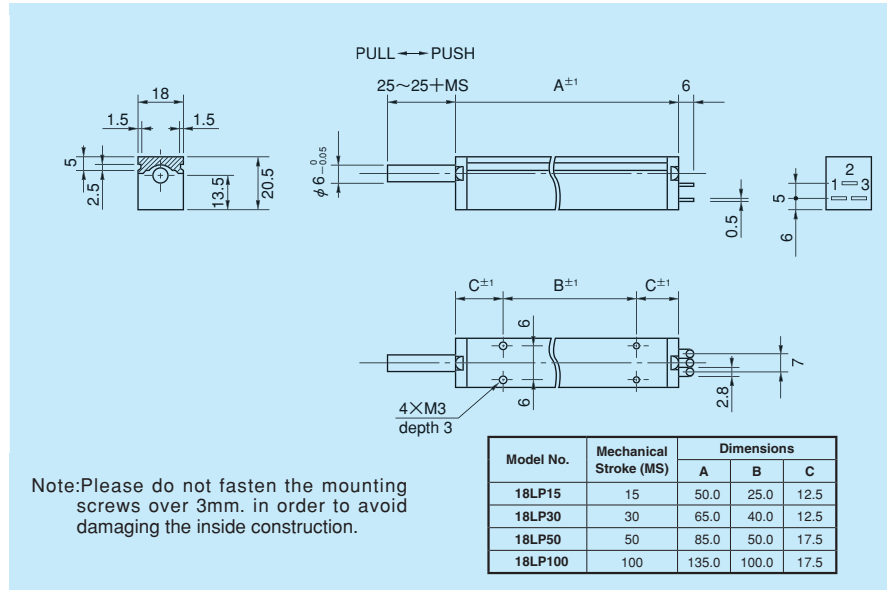
MODEL 18LP

- Wirewound
- With front extended shaft
- RoHS Compliant

● Standard Dimensions



Model 18LP50



● Standard Model Numbers

Stroke 15mm	18LP15
Stroke 30mm	18LP30
Stroke 50mm	18LP50
Stroke 100mm	18LP100

● General Specifications

Model No.	18LP15	18LP30	18LP50	18LP100	
Standard Resistance Range	10Ω~5kΩ	20Ω~10kΩ	50Ω~10kΩ	50Ω~20kΩ	
Total Resistance Tolerance	Standard Class	±5% (J)			
	Precision Class	±3% (H)			
Independent Linearity Tolerance	Standard Class	±2.0%	±1.0%	±0.7%	±0.5%
	Precision Class	±1.0%	±0.5%	±0.4%	±0.25%
Power Rating	0.3W	0.5W	0.75W	1.0W	
Noise	Within 100Ω E.N.R.				
Electrical Stroke	15±0.5mm	30±0.5mm	50±0.5mm	100±0.5mm	
Mechanical Stroke (MS)	15 ⁺² ₀ mm	30 ⁺² ₀ mm	50 ⁺² ₀ mm	100 ⁺² ₀ mm	
Insulation Resistance	Over 100MΩ at 1,000V.D.C.				
Dielectric Strength	1 minute at 1,000V.A.C.				
Friction	Within 0.6N (60gf)	Within 0.8N (80gf)	Within 1N (100gf)		
Stopper Strength	Approx. 90N (9kgf)				
Resistance Temperature Coefficient	±20 p.p.m./°C				
Mass	Approx. 60g	Approx. 70g	Approx. 100g	Approx. 140g	

● Standard Resistance Values ■ No. of Wire Turns ■ Resistance Wire Used

Resist. Value (Ω)	10	20	50	100	200	500	1k	2k	5k	10k	20k
18LP15	75	90	115	110	140	160	230	280	350	—	—
18LP30	—	150	190	240	210	280	360	450	580	780	—
18LP50	—	—	260	340	420	440	500	650	900	1,100	—
18LP100	—	—	400	530	670	900	900	1,000	1,200	1,600	2,400
Resist. Wire Used	Cu-Ni System						Ni-Cr System				

● Special Specifications Available

(In case of the potentiometer with special specifications, the general specifications and environmental specifications may change. Please consult us in advance.)

- Stroke 150mm (S18LP150)
- Stroke 200mm (S18LP200)
- Sealed type (IP54, The length of "A" is extended by abt. 6mm.)
- With spring return device (up to 100mm stroke, Friction is 3N [300gf]. Spring return device is mounted on the outer shaft. For details, please ask us.)
- Special machining on the shaft