

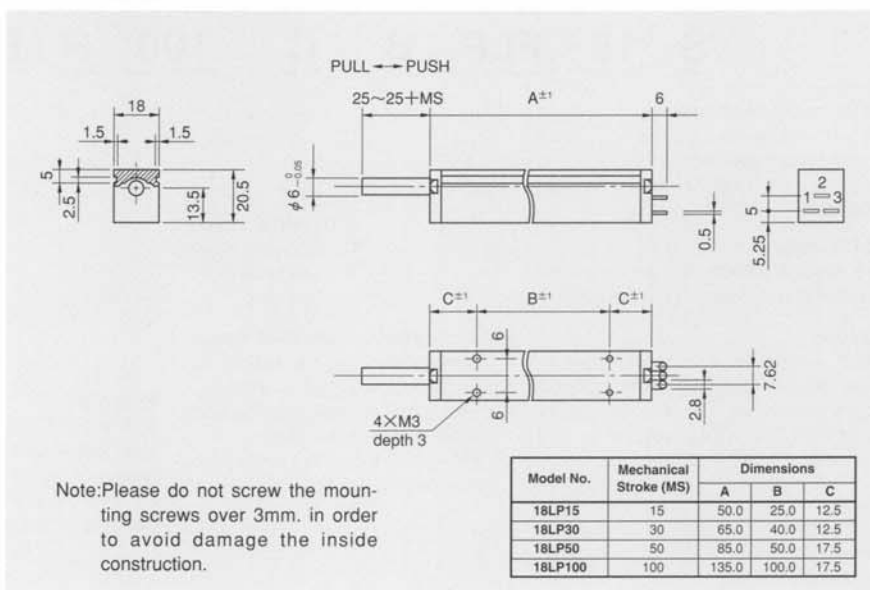


Model 18LP50

● Standard Model Nos.

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

● Standard Dimensions



● 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		Below 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		Below 0.6N (60gf)	Below 0.8N (80gf)	Below 1N (100gf)	
Stopper Strength		Approx. 90N (9kgf)			
Max. Working Voltage		100V			
Resistance Temperature Coefficient of Wire		±20 p.p.m./℃			
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	400	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

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 and the shaft is extended by some extent depending on the models. For details, please ask us.), Special machining on the shaft.