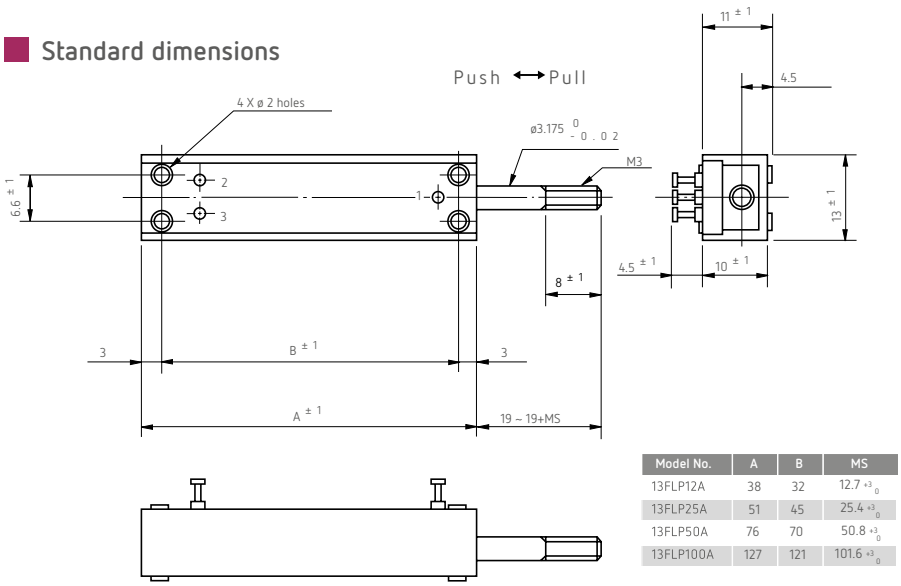
ALTHEN SENSORS & CONTROLS

mm 13FLP

Standard dimensions



Model No.	A	B	MS
13FLP12A	38	32	12.7 +3 0
13FLP25A	51	45	25.4 +3 0
13FLP50A	76	70	50.8 +3 0
13FLP100A	127	121	101.6 +3 0

Model 13FLP25A

Model 13FLP100A

Standard Model Nos.

13FLP12A stroke 12mm
13FLP25A stroke 25mm
13FLP50A stroke 50mm
13FLP100A stroke 100mm

General Specifications

Model No.		13FLP12A	13FLP25A	13FLP50A	13FLP100A
Standard Resistance Values		500,1k,2k,5k,10k (Ω)	500,1k,2k,5k,10k (Ω)	1k,2k,5k,10k,20k (Ω)	1k,2k,5k,10k,20k (Ω)
Total Resistance Tolerance		±20% (K)			
Independent Linearity Tolerance	Standard Class	±2.0%	±1.5%	±1.0%	±0.7%
	Precision Class	±1.0%	±0.7%	±0.5%	±0.3%
Resolution		Essentially Infinite			
Output Smoothness		Within 0.1% against input voltage			
Contact Resistance Variation		Within 2% C.R.V.			
Power Rating		0.2W	0.4W	0.7W	1.2W
Electrical Stroke		12.7±0.5mm	25.4±0.5mm	50.8±0.5mm	101.6±0.5mm
Mechanical Stroke (MS)		12.7 +3 0 mm	25.4 +3 0 mm	50.8 +3 0 mm	101.6 +3 0 mm
Insulation Resistance		Over 1,000M Ω at 500V.D.C.			
Dielectric Strength		1 minute at 500 V.A.C.			
Friction		Within 0.5N (50gf)			Within 1.0N (100gf)
Stopper Strength		Approx. 20N (2kgf)			
Resistance Temperature Coefficient		±400p.p.m./°C			
Mass		Approx. 10g	Approx. 15g	Approx. 25g	Approx. 35g

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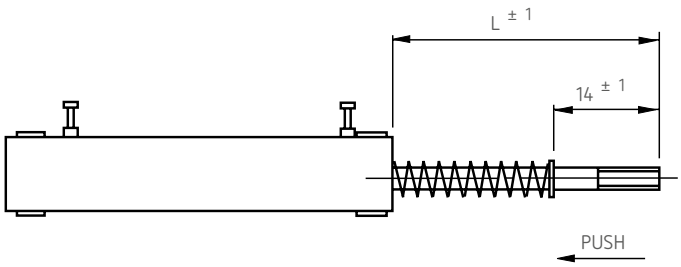
Special Specifications Available

Spring return device mounted on the shaft (friction is referred as within table), special machining on the shaft, wirewound resistive element type (13LP series).

In case of 13FLP series with spring return device, please note the following:
The spring return device is mounted on the outside shaft, of which dimensions are as the table.



Model No.	L	Friction
S13FLP12A	30 ~ 30+MS	3.5N (350gf)
S13FLP25A	35 ~ 35+MS	5N (350gf)
S13FLP50A	40 ~ 40+MS	5N (350gf)
S13FLP100A	50 ~ 50+MS	5N (350gf)

Note: MS means Mechanical Stroke