

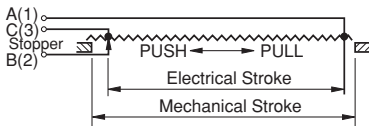
MODEL 30FLP

- Conductive Plastic
- With front extended shaft
- RoHS Compliant



Model 30FLP300A

Terminal Connection Diagram



Standard Model Numbers

Stroke 100mm	30FLP100A
Stroke 200mm	30FLP200A
Stroke 300mm	30FLP300A
Stroke 400mm	30FLP400A
Stroke 500mm	30FLP500A
Stroke 750mm	30FLP750A
Stroke 1,000mm	30FLP1000A

Standard Dimensions

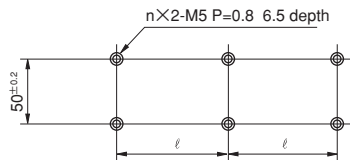
Specifications of Connector

Number of poles: 6 poles
Diameter of electrical wire: ϕ 6.3mm max.

Model No.	L
30FLP100A	170
30FLP200A	270
30FLP300A	370
30FLP400A	470
30FLP500A	570
30FLP750A	820
30FLP1000A	1,070

Note: 2 pcs. mounting fixing plates are attached in models 30FLP100A to 30FLP500A and 3 pcs. mounting fixing plates are attached in models 30FLP750A and 30FLP1000A.

Panel Arrangements



Stroke mm	100	200	300	400	500	750	1,000
l mm	70	170	270	370	470	360	485
Number of attached fixing plate(n)	2	2	2	2	2	3	3

General Specifications

Model No.	30FLP100A	30FLP200A	30FLP300A	30FLP400A	30FLP500A	30FLP750A	30FLP1000A
Standard Resistance Range	1k,2k, 5k,10k Ω	2k,5k, 10k,20k Ω	5k,10k,20k Ω	5k,10k,20k, 50k,100k Ω	5k,10k, 20k,50k, 100k,200k Ω	5k,10k, 20k,50k, 100k,200k Ω	10k,20k, 50k,100k, 200k,500k Ω
Total Resistance	Standard Class	$\pm 20\%$ (M)					
	Precision Class	$\pm 10\%$ (K)					
Independent	Standard Class	$\pm 0.5\%$					
	Precision Class	$\pm 0.1\%$					
	Super-precision Class	$\pm 0.075\%$	$\pm 0.05\%$				—
Resolution	Essentially infinite						
Output Smoothness	Within 0.1% against input voltage						
Contact Resistance Variation	Within 2% C.R.V.						
Power Rating	1.25W	1.5W	2.0W	2.5W	5.0W	7.5W	10.0W
Electrical Stroke	100 \pm 1mm	200 \pm 1mm	300 \pm 1mm	400 \pm 1mm	500 \pm 1mm	750 \pm 1mm	1,000 \pm 1mm
Mechanical Stroke (MS) (Approx.)	105mm	205mm	305mm	405mm	505mm	755mm	1,005mm
Insulation Resistance	Over 1,000M Ω at 500V.D.C.						
Dielectric Strength	1 minute at 900V.A.C.						
Friction	Within 2N (200gf)						
Stopper Strength	Approx. 20N (2kgf)						
Resistance Temperature Coefficient	± 400 p.p.m./ $^{\circ}$ C						
Mass	Approx. 200g	Approx. 350g	Approx. 500g	Approx. 650g	Approx. 800g	Approx. 1,300g	Approx. 1,600g

Linear-motion Contact type Conductive plastic