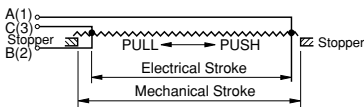


Model 30FLP300A

Terminal Connection Diagram



Standard Model Nos.

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

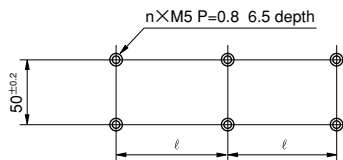
Standard Dimensions

Specifications of Connector
 Number of poles: 6 poles
 Electrical wire diameter to be connected: 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
ϕ mm	70	170	270	370	470	360	485
Number of attached fixing plate	2	2	2	2	2	3	3

General Specifications

Model No.		30FLP100A	30FLP200A	30FLP300A	30FLP400A	30FLP500A	30FLP750A	30FLP1000A
Standard Resistance Range		1k~10k Ω	2k~20k Ω	5k~20k Ω	5k~100k Ω	5k~200k Ω	5k~200k Ω	10k~500k Ω
Total Resistance Tolerance	Standard Class	$\pm 20\%$ (M)						
	Precision Class	$\pm 10\%$ (K)						
Independent Linearity Tolerance	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) (Apporox.)		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.						
Max. Working Voltage		500V						
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