

Connector Terminal Connection Diagram



Standard Model Nos.

 18FLPBC25
 Stroke
 25mm

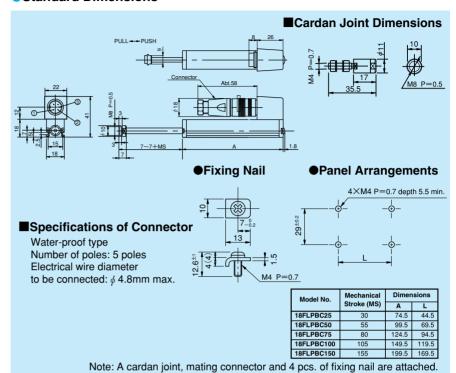
 18FLPBC50
 Stroke
 50mm

 18FLPBC75
 Stroke
 75mm

 18FLPBC100
 Stroke
 100mm

 18FLPBC150
 Stroke
 150mm

Standard Dimensions



General Specifications

Model No.		18FLPBC25	18FLPBC50	18FLPBC75	18FLPBC100	18FLPBC150
Standard Resistance Values		500, 1k, 2k, 5k, 10k (Ω)	500, 1k, 2k, 5k, 10k (Ω)	500, 1k, 2k, 5k, 10k, 20k (Ω)	1k, 2k, 5k, 10k, 20k (Ω)	1k, 2k, 5k, 10k, 20k (Ω)
Total Resistance Tolerance		±10% (K)				
Independent Linearity	Standard Class	±0.5%				
Tolerance	Precision Class	±0.2%	±0.1% ±0.05%			±0.05%
Resolution		Essentially Infinite				
Output Smoothness		Within 0.1% against input voltage				
Contact Resistance Variation		Within 2% C.R.V.				
Power Rating		0.5W	0.75W	1.0W	1.25W	1.5W
Electrical Stroke		25±1mm	50±1mm	75±1mm	100±1mm	150±1mm
Mechanical Stroke (MS)		Approx. 30mm	Approx. 55mm	Approx. 80mm	Approx. 105mm	Approx. 155mm
Insulation Resistance		Over 1,000M Ω at 500V.D.C.				
Dielectric Strength		1 minute at 500V.A.C.				
Friction		Within 1.2N (120gf)				
Stopper Strength		Approx. 90N (9kgf)				
Resistance Temperature Coefficient		±400p.p.m./°C				
Mass		Approx. 90g	Approx. 120g	Approx. 140g	Approx. 160g	Approx. 250g

Special Specifications Available

Higher resistance value $(50k\,\Omega\,,\,100k\,\Omega\,$ [$100k\,\Omega\,$ is available for 18FLPA150 only]), Stroke 200mm (S18FLBC200), Sealed type (IP54, The length of "A" is extended by abt. 6mm.), Extra Taps (Available up to 1 tap and only on the version with a connector.). In case of with leadwire terminals, the dimensions are as the right drawing: (The dimensions of "A" & "L" are the same as above table.) Leadwire length is 1m.

