

MODEL 18FLPB

Conductive Plastic
With front extended shaft
RoHS Compliant



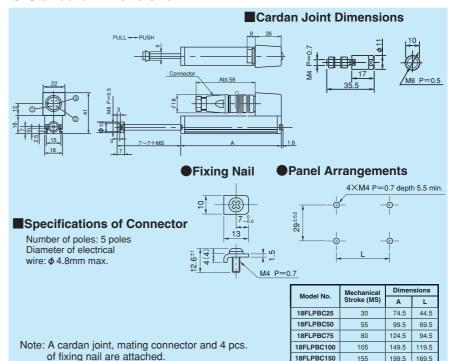
Connector Terminal **Connection Diagram**



Standard Model Numbers

| Stroke 25mm | 18FLPBC25 |
|--------------|------------|
| Stroke 50mm | 18FLPBC50 |
| Stroke 75mm | 18FLPBC75 |
| Stroke 100mm | 18FLPBC100 |
| Stroke 150mm | 18FLPBC150 |

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 Tolerance | Standard Class | ±0.5% | | | | | |
| | Precision Class | ±0.2% | ±0.1% | | | ±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 1,000MΩ 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

(In case of the potentiometer with special specifications, the general specifications and environmental specifications may change. Please consult us in advance.)

- Stroke 200mm (S18FLBC200)
- Sealed type (IP54, The length of "A" is extended by abt. 6mm.)
- Extra Tap (Available up to 1 tap and only on the version with a

connector.)

With leadwire terminals (Dimensions are as the right drawing.

Dimensions of "A" and "L" are the same as the above table. Length of lead wires is 1m.)

