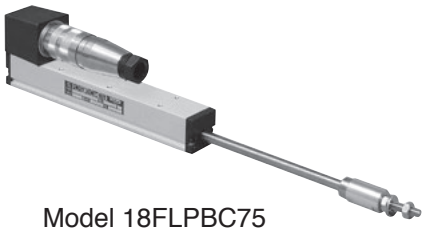
"Sakae"

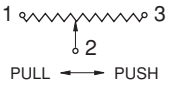
MODEL 18FLPB

● Conductive Plastic ● With front extended shaft ● RoHS Compliant



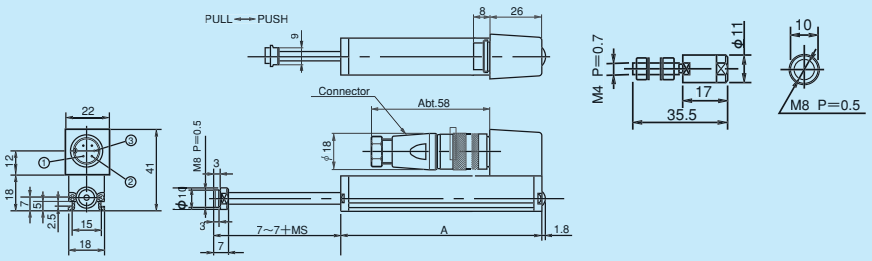
Model 18FLPBC75

●Connector Terminal Connection Diagram

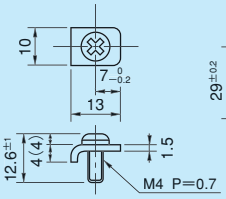


● Standard Dimensions

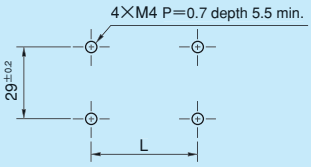
■Cardan Joint Dimensions



●Fixing Nail



●Panel Arrangements



■Specifications of Connector

Number of poles: 5 poles
Diameter of electrical wire: ϕ4.8mm max.

Model No.	Mechanical Stroke (MS)	Dimensions A	Dimensions L
18FLPBC25	30	74.5	44.5
18FLPBC50	55	99.5	69.5
18FLPBC75	80	124.5	94.5
18FLPBC100	105	149.5	119.5
18FLPBC150	155	199.5	169.5

Note: A cardan joint, mating connector and 4 pcs. of fixing nail are attached.

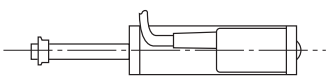
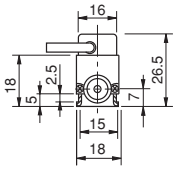
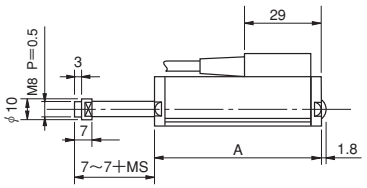
● Standard Model Numbers

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

● 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./℃				
Mass		Approx. 90g	Approx. 120g	Approx. 140g	Approx. 160g	Approx. 250g

● Special Specifications Available

(In the 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.)