

Linear Motion Conductive Plastic Potentiometer
Series LMCB18


- Cardan Swivel Joint
- Connector Housing with Connector
- Rigid Metal Housing
- 20,000,000 Stroke Life
- Infinite Resolution
-  RoHS

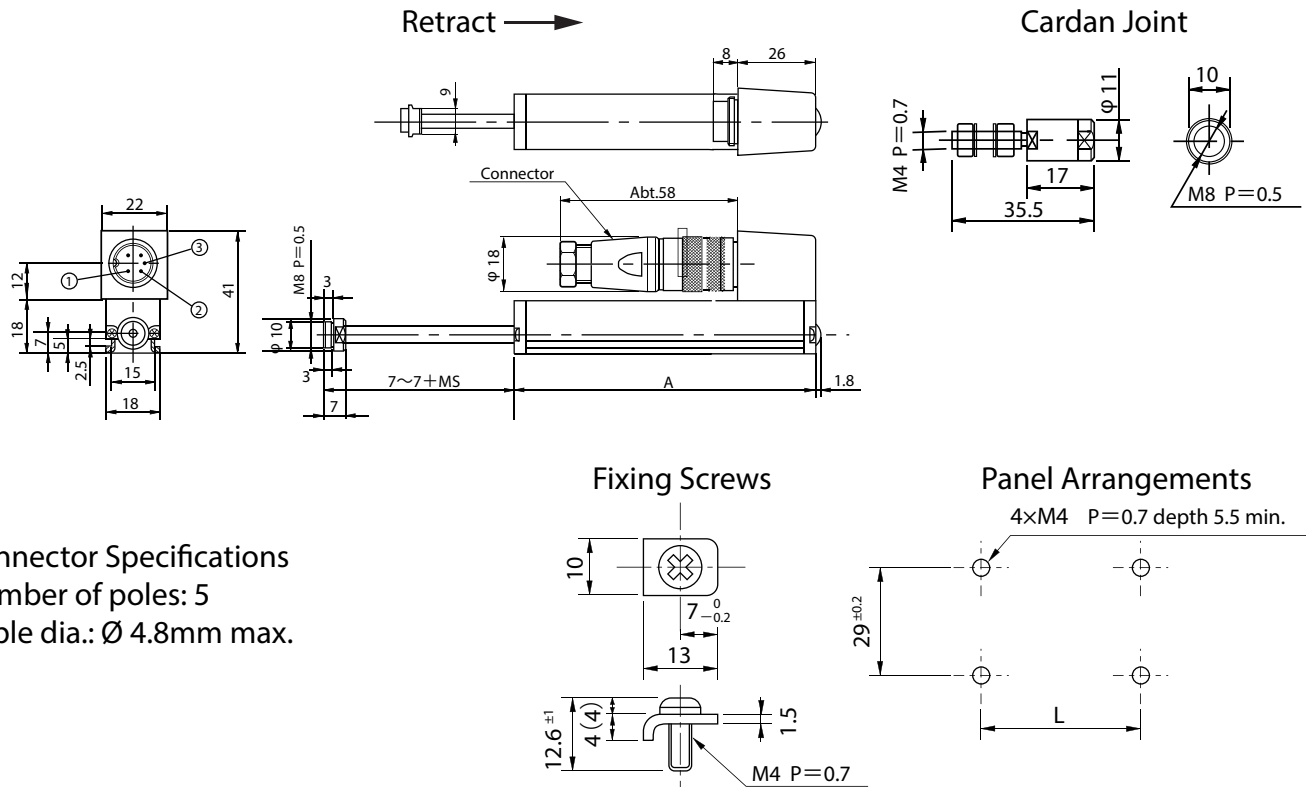
Electrical Data (Note 1)	Model	LMCB18-25	LMCB18-50	LMCB18-75	LMCB18-100	LMCB18-150
Electrical Stroke		25±1mm	50±1mm	75±1mm	100±1mm	150±1mm
Standard Resistance Values		1k, 2k, 5k, 10k Ω				
Non-Standard Resistance Values		500 Ω		500, 20k Ω	20k Ω	
Resistance Tolerance		±10%				
Independent Linearity Tolerance (standard)		±0.5%				
Independent Linearity Tolerance (optional)		±0.2%		±0.1%		±0.05%
Power Rating @ 70°C		0.5W	0.75W	1.0W	1.25W	1.5W
Resolution		Essentially infinite				
Output Smoothness		< 0.1% against input voltage				
Contact Resistance Variation		< 2% C.R.V.				
Resistance Temperature Coefficient		±400p.p.m./°C				
Insulation Resistance		> 1,000M Ω at 500VDC				
Dielectric Strength		1 minute at 1,000VAC				

Mechanical Data (Note 1)	Model	LMCB18-25	LMCB18-50	LMCB18-75	LMCB18-100	LMCB18-150
Mechanical Stroke		30mm	55mm	80mm	105mm	155mm
Life Expectancy		20,000,000 reciprocating motions				
Friction		< 1.2N (120gf)				
Stopper Strength		Approx. 90N (9kgf)				
Operating Temperature		-30°C to +105°C				
Vibration		15G / 10Hz to 2,000Hz 12 hours				
Shock		50G, 11ms 18 times				
Protection Grade		IP40 (IP54 option)				
Housing Material		Metal				
Shaft Material		Stainless steel				
Weight		approx. 90g	approx. 120g	approx. 140g	approx. 160g	approx. 250g

• Special Specifications Available

Non-standard resistance values, 200mm stroke length. Extra tap (1 max), leadwires instead of connector

Note 1: Customers should test and verify device performance in any given application. General specifications values are measured at temperatures of +15°C ~ +35°C. Specifications are subject to change without notice.



Note: Cardan joint, thread-on connector and 4 pcs. fixing screws are attached

Model No.	Mechanical Stroke (MS)	Dimensions	
		A	L
LMCB18-25	30	74.5	44.5
LMCB18-50	55	99.5	69.5
LMCB18-75	80	124.5	94.5
LMCB18-100	105	149.5	119.5
LMCB18-150	155	199.5	169.5

