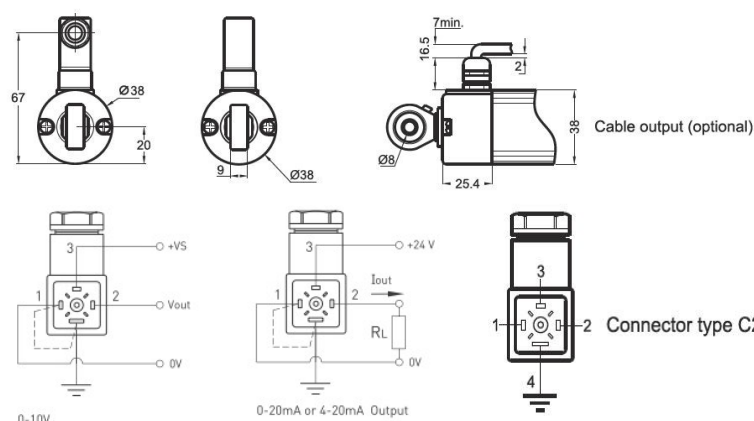
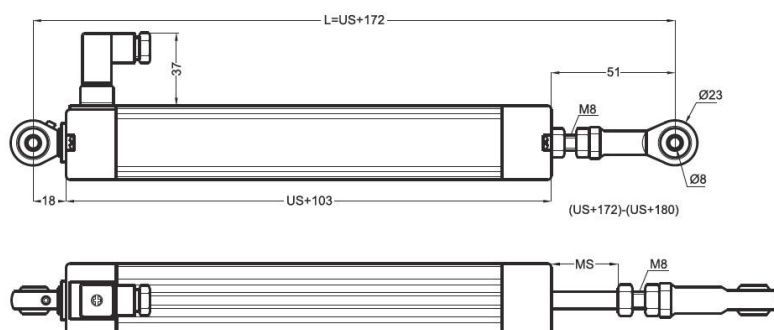


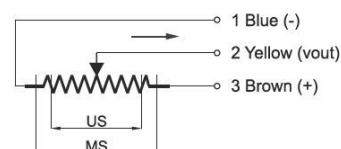
M(E)LPC

LINEAR POTENTIOMETERS STANDARD SERIES

The linear potentiometers MLPC series allow measurement strokes up to 800 mm. They offer excellent linearity as well as long life and reliability.



- Measuring range 50 - 800 mm
- Long mechanical life 100 million cycles
- Excellent repeatability < 0.01 mm
- Infinite resolution
- 5K or 10K Ohm
- Built-in electronic option



M(E)LPC (mm)	50	75	100	125	130	150	175	200	225	250	275	300
US (Usefull stroke)	50	75	100	125	130	150	175	200	225	250	275	300
MS (Mechanical Stroke)	55	80	105	130	135	155	180	205	230	255	280	305
L (Total Length)	222	247	272	297	302	322	347	372	397	422	447	472

M(E)LPC (mm)	325	350	375	400	450	500	550	600	650	700	750	800
US (Usefull Stroke)	325	350	375	400	450	500	550	600	650	700	750	800
MS (Mechanical Stroke)	330	355	380	405	455	505	555	608	655	705	755	805
L (Total Length)	497	522	547	572	622	672	722	772	822	872	922	972

Technical specifications		
	MLPC	MELPC
Measurement stroke	50 to 800 mm	
Independant Linearity	$\pm 0,05$ % (>200mm), $\pm 0,1$ % (130-200mm), $\pm 0,2$ % (75-125mm), $\pm 0,5$ % (<75mm)	
Repeatability	< 0,01 mm	
Resolution	Infinite	
Resistance	5K (50-600mm) or 10K (650-800mm)	/
Output	/	4-20mA, 0-20mA or 0-10V
Resistance tolerance	± 20 %	/
Load resistance	100K Ohm min.	/
Recommended cursor current	< 1 μ A	/
Permissible applied voltage	28V DC max.	15-30V DC
Electrical connections	4 pin connector (standard)	
Displacement speed	< 5 m/s	
Mechanical life	100 million cycles	
Case dimensions	$\varnothing 38$ mm	
Case material	Anodized aluminium	
Rod material	Stainless steel	
Rod diameter	$\varnothing 10$ mm	
Mechanical fixing	Ball joints on the both side	
IP degree	IP 65	
Operating temperature	-20°C ... +80°C	
Storage temperature	-30°C ... +90°C	

Model	Measurement stroke (mm)	Linearity (%)	Value / Output	Connector / Cable
MLPC	500	D	5K	C2
MLPC : Standard MELPC : Electronic	50 ... 800 mm	D : Standard linearity	5K : 5 k Ω (50 to 600mm) 10K : 10 k Ω (650 to 800mm) V10 : 0-10V I40 : 4-20mA I20 : 0-20mA	C2 : 4 pin connector 1M : 1 meter cable* 1M5 : 1,5 meter cable 2M5 : 2,5 meter cable*
*MLPC only				