



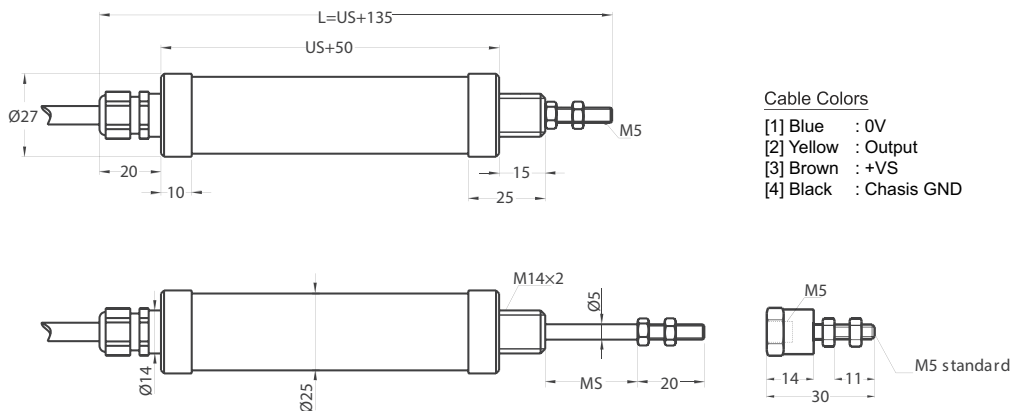
ELSC Series Linear Potentiometer

- Measuring range 25 - 400 mm
- Internal electronic circuit
- 4-20mA or 0-10V output

Technical specifications

Measurement stroke	25 to 400 mm
Linearity	±0.5% (≤75mm), ±0.2% (100 - 125mm), ±0.1% (130 - 225mm), ±0.05% (≥250mm)
Repeatability	< 0,01 mm
Resolution	Infinite
Output	0 - 10 V (V10) 4 - 20 mA (I04)
Supply Voltage	15 - 30 VDC
Load resistance	100 kOhm min.
Vibration	200 m/s ² (20g) - 2h 30min each axis (x,y,z) - EN 60068-2-6
Shock	500 m/s ² (50g) - 11ms. (x,y,z axis) - EN 60068-2-2:2007
Electrical connections	1 m cable (standard)
Displacement speed	< 5 m/s
Mechanical life	100 million movement
Case dimensions	Ø25 mm
Case material	Anodized aluminium
Rod material	Stainless steel
Rod diameter	Ø5 mm
IP degree	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Dimensions (mm)



ELSC (mm)	25	50	75	100	125	150	175	200	250	300	350	400
US (Useful stroke)	25	50	75	100	125	150	175	200	250	300	350	400
MS (Mechanical stroke)	28	53	78	103	128	153	178	203	253	303	353	403
L (Total Length)	155	185	210	235	260	285	310	335	385	435	485	535

Ordering Code

Model	Measurement stroke (mm)	Linearity (%)	Output	Connector / Cable
ELSC	175	C	I04	1M
ELSC	25 ... 400 mm	A : ±0.5% (≤ 75 mm) B : ±0.2% (100 ~ 125 mm) C : ±0.1% (130 ~ 225 mm) D : ±0.05% (≥250 mm)	V10 : 0 - 10 V I40 : 4 - 20 mA	1M : 1 meter cable (standard) 1M5 : 1.5 meter cable 2M : 2 meter cable