

Datasheet

General features

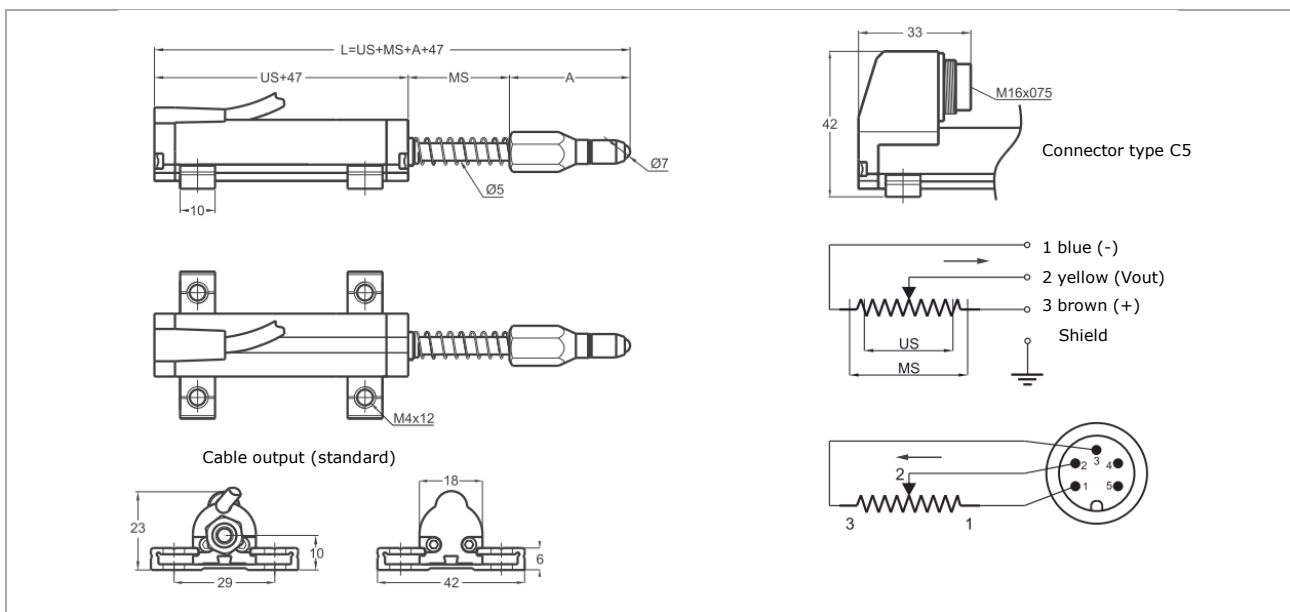
- Measuring range 10 to 100 mm
- Long mechanical life: 100 million movements
- Excellent repeatability: <0.01 mm
- Infinitely variable resolution
- Resistance:
2 kOhm: 10 ... 50 mm,
5 kOhm: 75 ... 100 mm
- Push-button with spring return



Technical specifications

Measurement stroke	10 to 100 mm
Linearity	$\pm \% 0.2$ (75 - 100 mm), $\pm \% 0.5$ (<75 mm)
Repeatability	<0.01 mm
Resolution	Infinitely variable
Resistance	2 kOhm: 10 ... 50 mm, 5 kOhm: 75 ... 100 mm
Resistance tolerance	$\pm \% 20$
Load resistance	100 kOhm min.
Recommended consumption current	<1 μ A
Permissible applied voltage	28 VDC max.
Electrical connections	M16 - 5 pin connector or 1m cable output (other lengths available)
Displacement speed	<5 m/s
Mechanical life	100 million movement
Case dimensions	$\varnothing$ 18 mm
Case material	Anodized aluminium
Rod diameter	$\varnothing$ 5 mm
Rod material	Stainless steel
Mechanical fixing	Variable brackets
IP rating	IP 40
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Dimensions



WLP-S-SRT1-T2_DB_2026-01-26_EN

Datasheet

Measuring range

WLP-S-SRT1/-T2 (mm)	10	25	50	75	100
US (Useful Stroke) -0 / +1	10	25	50	75	100
MS (Mechanical Stroke) ± 1	14	29	54	79	104
A (mm) ± 0.5	35	35	42	42	42
L (Total Length) ± 1	107	137	194	244	294

Ordering example

Type	WLP-S	-	SRT1	-	100	-	A	-	5K	-	1M
Category											
S	= small; Ohm (resistance)										
Type of construction											
R	= round										
Location of electrical connection											
T	= Push-button with spring return										
Connection type											
1	= cable										
2	= connector										
Measurement stroke (mm)											
10 ... 100 mm (see table)											
Linearity (%)											
A	= $\pm 0.5\%$ (<75 mm)										
B	= $\pm 0.2\%$ (75 - 100 mm)										
Resistance (kOhm)											
2K	= 2 kOhm: <75 mm										
5K	= 5 kOhm: 75 ... 100 mm										
Electrical connection											
1M	= 1 meter cable (standard), open cable end										
1M5	= 1.5 meter cable, open cable end										
2M	= 2 meter cable, open cable end										
CN5B	= M16 - 5 pin connector										

Without prior notice, the products may be subject to modifications that the Manufacturer reserves to introduce as deemed necessary for their improvement.