

Datasheet

General features

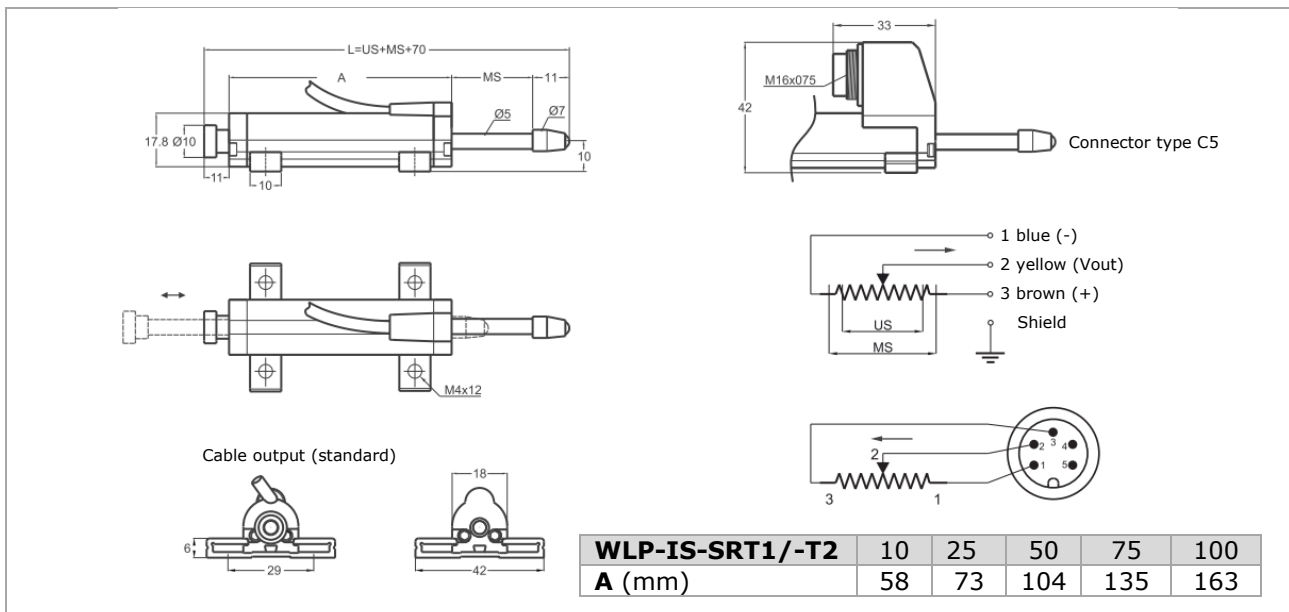
- Measuring range 10 to 100 mm
- Long mechanical life: 100 million movements
- Excellent repeatability: <0.01 mm
- Infinitely variable resolution
- Resistance:
 2 kOhm: 10 ... 50 mm,
 5 kOhm: 75 ... 100 mm
- Push-button with internal spring return



Technical specifications

Measurement stroke	10 to 100 mm
Linearity	±%0.2 (75 - 100 mm), ±%0.5 (<75 mm)
Repeatability	<0.01 mm
Resolution	Infinitely variable
Resistance	2 kOhm: 10 ... 50 mm, 5 kOhm: 75 ... 100 mm
Resistance tolerance	±%20
Load resistance	100 kOhm min.
Recommended consumption current	<1 µA
Permissible applied voltage	28 VDC max.
Electrical connections	5 pin connector or 1m cable output (other lengths available)
Displacement speed	<5 m/s
Mechanical life	100 million movement
Case dimensions	Ø18 mm
Case material	Anodized aluminium
Rod diameter	Ø5 mm
Rod material	Stainless steel
Mechanical fixing	Variable brackets
IP rating	IP65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Dimensions



Technical drawings include:
 - Side view with dimensions: L=US+MS+70, A, MS, 11, Ø5, Ø7, 10, 17.8 Ø10, 11, 10.
 - Connector type C5 detail with dimensions: 33, 42, M16x075.
 - Cable output (standard) detail with dimensions: 6, 29, 18, 42.
 - Electrical connection diagram showing 1 blue (-), 2 yellow (Vout), 3 brown (+), and Shield.
 - Potentiometer symbol with terminals 1, 2, 3.

WLP-IS-SRT1/-T2	10	25	50	75	100
A (mm)	58	73	104	135	163

WLP-IS-SRT1-T2_DB_2023-03-27_EN

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Measuring range

WLP-IS-SRT1/-T2 (mm)	10	25	50	75	100
US (Useful Stroke)	10	25	50	75	100
MS (Mechanical Stroke)	13	28	53	78	103
L (Total Length)	93	123	179	235	288

Ordering example

Type	WLP-IS	-	SRT1	-	25	-	A	-	5K	-	1M
Category											
S	= small; Ohm (resistance)										
Type of construction											
R	= round										
Location of electrical connection											
T	= Push-button with internal spring return										
Connection type											
1	= cable										
2	= connector										
Measurement stroke (mm)											
	10 ... 100 mm (see table)										
Linearity (%)											
A	= ±%0.5 (<75 mm)										
B	= ±%0.2 (75 - 100 mm)										
Resistance (kOhm)											
2K	= 2 kOhm: 10 ... 50 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										
C5	= 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.