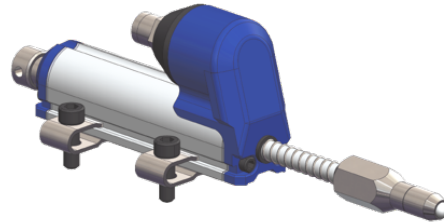


Datasheet

General features

- Measuring range 10 to 100 mm
- Long mechanical service life
- Excellent repeatability: <0.01 mm
- Infinite resolution
- Pushbutton with external spring return
- Analog interface
- Voltage / Current
- Rod on the both sides



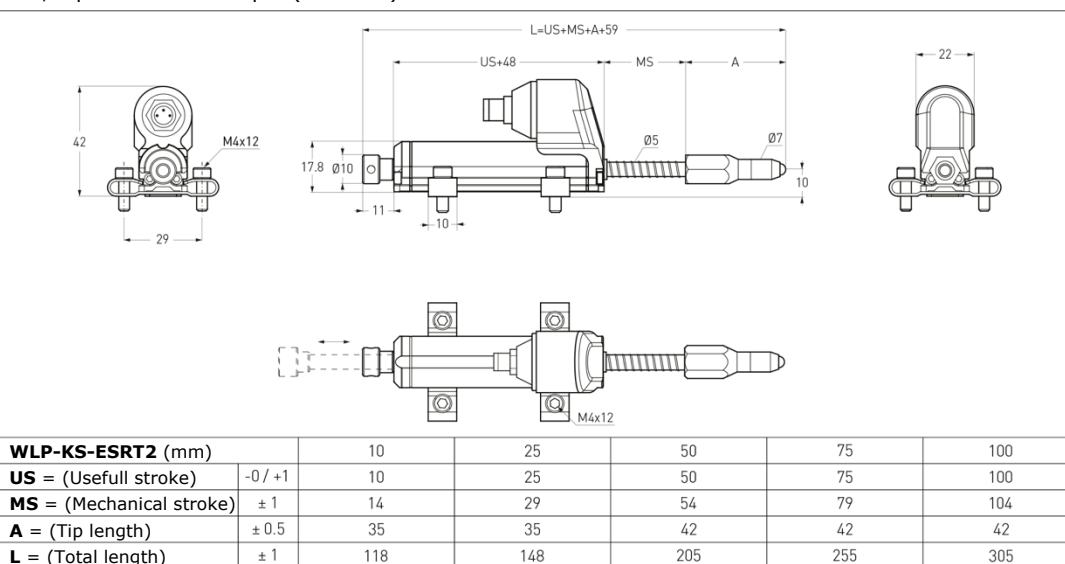
Technical specifications

Measurement stroke	10 bis 100 mm
Linearity	$\pm 0.5\%$ (≤ 75 mm), $\pm 0.2\%$ (100 mm)
Repeatability	<0.01 mm
Resolution	Infinitely
Electrical connections	M8, 3 pin connector (standard)
Recommended consumption current	<1 μ A
Permissible applied voltage	28 VDC max.
Output	Analog output: 0-5 V, 0-10 V, 0-20 mA, 4-20 mA, 5-0 V, 10-0 V, 20-0 mA, 20-4 mA
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
Caps material	ABS Plastic
Mechanical fixing	Variable brackets
Protection level	IP40
Operating temperature	-20 °C ... +80 °C
Storage temperature	-30 °C ... +90 °C

Datasheet

Mechanical Specification

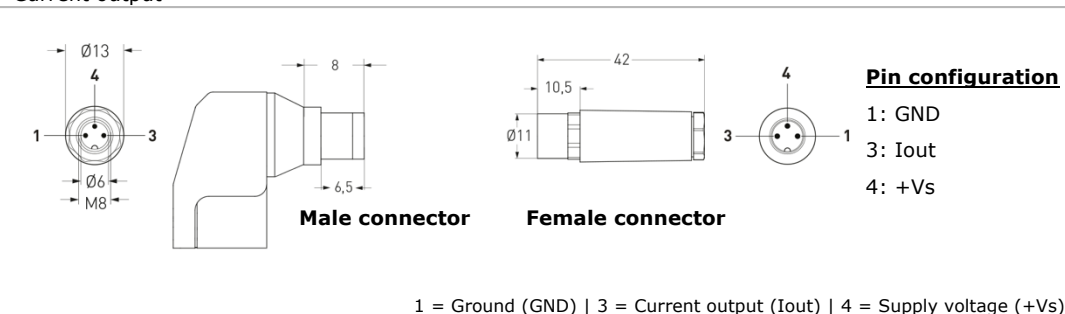
M8, 3 pin connector output (standard)



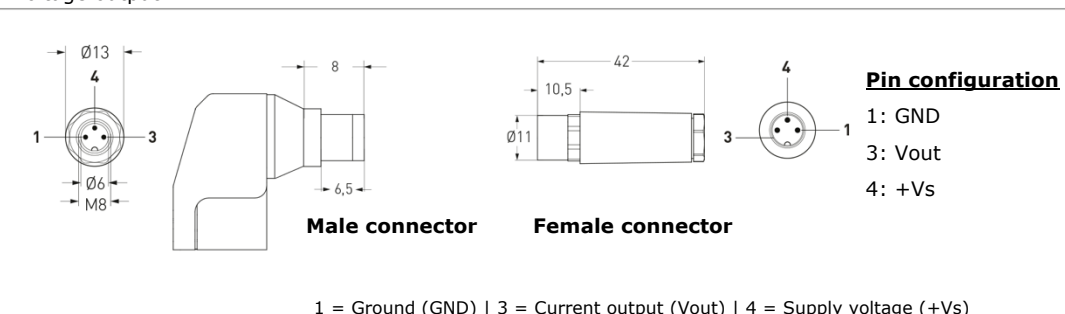
Connector and Bracket

M8, 3 pin connector output (standard)

Current output



Voltage output



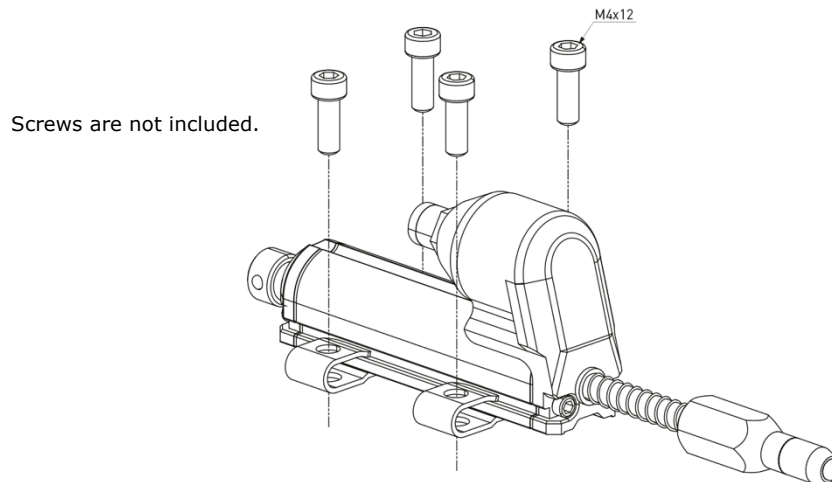
Brackets

Mounting bracket (standard)



Datasheet

Assembly



Ordering example

Type	WLP-KS	-	ESRT2	-	100	-	B	-	V05	-	C3
Category											
E	= electric (V, mA-Version)										
S	= small										
Type of construction											
R	= round										
Location of electrical connection											
T	= Pushbutton with external spring return										
Connection type											
2	= connector										
Measurement stroke (mm)											
100	= 10 - 100 mm (see table)										
Linearity (%)											
A	= ±0.5% (≤ 75 mm)										
B	= ±0.2% (100 mm)										
Output											
V05	= (0 – 5 V)										
V50	= (5 – 0 V)										
V10	= (0 – 10 V)										
V01	= (10 – 0 V)										
I 20	= (0 – 20 mA)										
I 02	= (20 – 0 mA)										
I 40	= (4 – 20 mA)										
I 04	= (20 – 4 mA)										
Electrical connection											
C3	= M8, 3 pin connector (standard)										

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