

Datasheet

General features

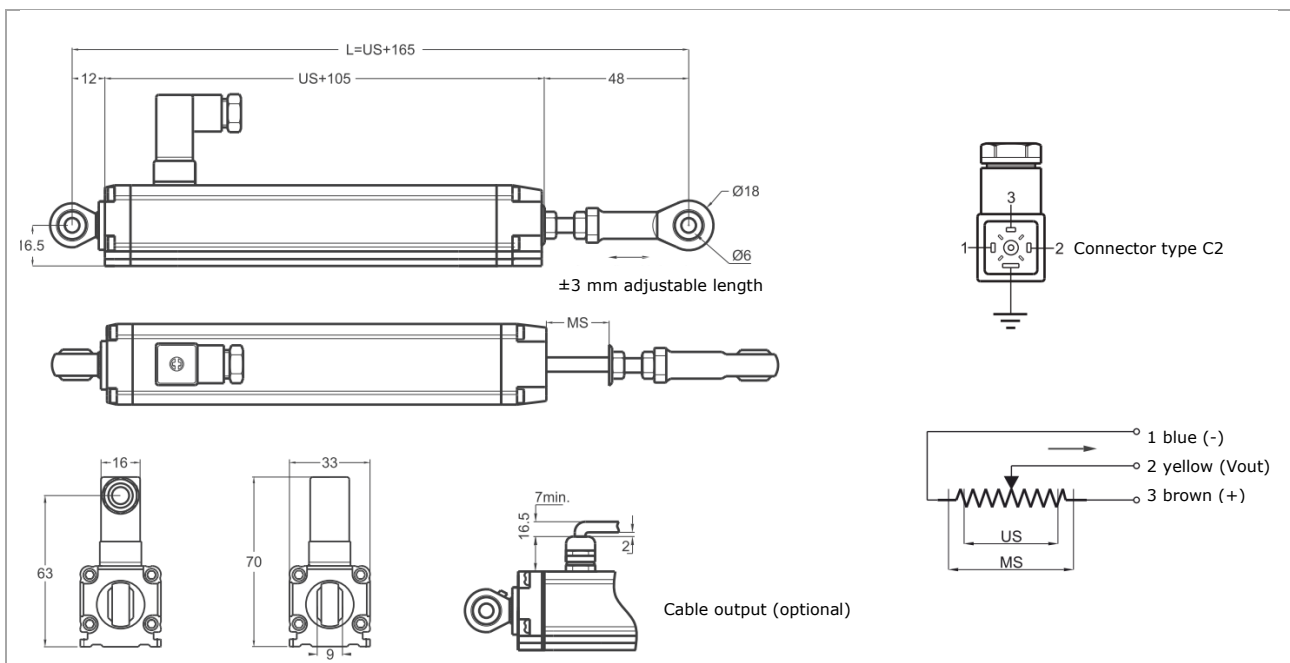
- Measuring range 50 to 600 mm
- Long mechanical life: 100 million movements
- Excellent repeatability: <0.01 mm
- Infinitely variable resolution
- 5 kOhm: 50 ... 600 mm



Technical specifications

Measurement stroke	50 to 600 mm
Linearity	± 0.05 (>200 mm), ± 0.1 (130 - 200 mm), ± 0.2 (75 - 129 mm), ± 0.5 (<75 mm)
Repeatability	<0.01 mm
Resolution	Infinitely variable
Resistance	5 kOhm: 50 ... 600 mm
Permissible applied voltage	28 VDC max.
Electrical connections	4 pin connector (standard), cable (optional)
Displacement speed	<5 m/s
Mechanical life	100 million movement
Case dimensions	33 mm x 33 mm
Case material	Anodized aluminium
Rod diameter	$\varnothing 6$ mm
Rod material	Stainless steel
Mechanical fixing	Ball joints at both ends
IP rating	IP65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Dimensions



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Measuring range

WLP-M-MQS1/-S2 (mm)	50	75	100	125	130	150	175	200	225	250
US (Useful Stroke)	50	75	100	125	130	150	175	200	225	250
MS (Mechanical Stroke)	54	79	104	129	134	154	179	204	229	254
L (Total Length)	215	240	265	290	295	315	340	365	390	415

WLP-M-MQS1/-S2 (mm)	275	300	325	350	375	400	450	500	550	600
US (Useful Stroke)	275	300	325	350	375	400	450	500	550	600
MS (Mechanical Stroke)	279	304	329	354	379	404	454	504	554	604
L (Total Length)	440	465	490	515	540	565	615	665	715	765

Ordering example

Type	WLP-M	-	MQS2	-	500	-	D	-	5K	-	C2
Category											
M	= medium; Ohm (resistance)										
Type of construction											
Q	= quadratic										
Location of electrical connection											
S	= lateral										
Connection type											
1	= cable										
2	= connector										
Measurement stroke (mm)											
50 ... 600 mm (see table)											
Linearity (%)											
A	= ±%0.5 (<75 mm)										
B	= ±%0.2 (75 - 129 mm)										
C	= ±%0.1 (130 - 200 mm)										
D	= ±%0.05 (>200 mm)										
Resistance (kOhm)											
5K	= 5 kOhm										
Electrical connection											
C2	= 4 pin connector (standard)										
1M	= 1 meter cable (optional), open cable end										
2M5	= 2.5 meter cable (optional), open cable end										

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