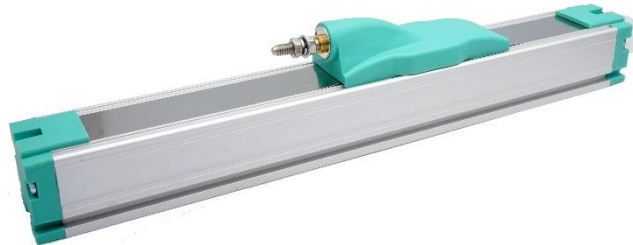


KTC Potentionmeter conductive plastic linear



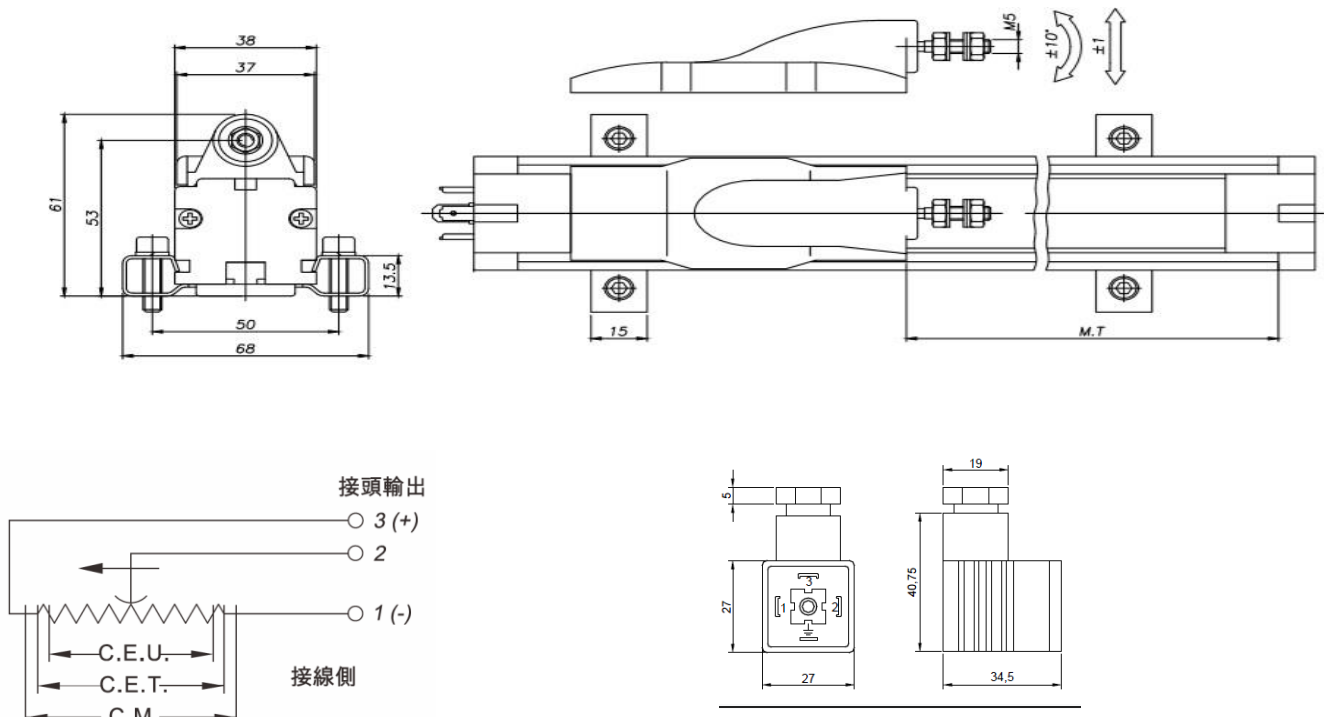
Characteristic:

1. The improved design meets the needs of a wide range of measurement conditions.
2. Secure the mechanical connection with the M5 screw.
3. After the theoretical electrical stroke is exceeded, no electrical signal output changes and the installation is simpler.
4. The new notch design is an ideal alternative to traditional bracket-mounted systems.
5. Widely used in plastic molding machines, vertical presses and other production equipment.

Installation dimension drawing:

Advantage :

- Rodless design
- Ball hinge avoids lateral forces
- Long service life, more than 50×10^6 times of operation
- Resolution is better than 0.01mm
- High running speed
- DIN43650 Standard plug and socket
- Configurable voltage and current (2-wire, 3-wire) modules



KTC Potentionmeter conductive plastic linear

	KTF	KTF	KTF	KTF	KTF	KTF	KTF	KTF	KTF
Electrical-parameters									
Model size	75	100	150	175	200	225	250	300	350
Nominal stroke (mm)	75	100	150	175	200	225	250	300	350
Electric stroke (mm)	75.5	101	151	176.5	201.5	226.5	252	302	352.5
Standard R(KΩ)	5	5	5	5	5	5	5	5	5
R tolerance	±10%								
Independent	0.15	0.15	0.1	0.1	0.08	0.08	0.05	0.05	0.05
Linearity(%)									
Repeatability precise	0.01mm								
Cusor current	≤1 μA								
Max cusor current	10mA								
Max power supply	42V								
Volts									
Coefficient Volts to	典型值								
Temp	5 ppm/K								
Insulation R (500VDC, 1bar, 2s)	≥ 10MΩ								
Insulation strength (50Hz, 2s, 1bar, 500VDC)	≤100 μA								
Mechanical Parameter									
Shell Length(A)	222	247	298	323	349	374	400	451	501
Mechanical stroke(M)	82.5	108	158	183.5	208.5	233.5	259	309	359.5
Operation force									
Ball head allows displacement	±5° 偏差								
Vertical installation	≤0.4N								
Horizontal installation	≤1.1N								
Operation temperature	-40~100℃								
Life time	>50X 10 ⁶ 次								
Shock	50g 6ms								
Max spead	10m/s 最大								
Protection class	IP50								

KTC Potentionmeter conductive plastic linear

	KTF	KTF	KTF	KTF	KTF	KTF	KTF	KTF	KTF	KTF
Electrical-parameters										
Model size	375	400	450	500	550	600	650	700	750	800
Nominal stroke (mm)	375	400	450	500	550	600	650	700	750	800
Electric stroke (mm)	377.5	403	460	503.5	553.5	604	654	704.5	754.5	805
Standard R(KΩ)	5	5	5	5	10	10	10	10	10	10
R tolerance	±10%									
Independent	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04
Linearity(%)										
Repeatability precise	0.01mm									
Cusor current	≤1 μA									
Max cusor current	10mA									
Max power supply	42V									
Volts										
Coefficient Volts to	典型值									
Temp	5 ppm/K									
Insulation R (500VDC, 1bar, 2s)	≥ 10MΩ									
Insulation strength (50Hz, 2s, 1bar, 500VDC)	≤100 μA									
Mechanical Parameter										
Shell Length(A)	526	552	602	653	704	754	804	855	905	956
Mechanical stroke(M)	384.5	410	460	510.5	560.5	611	661	711.5	761.5	812
Operation force										
Ball head allows displacement	±5° 偏差									
Vertical installation	≤0.4N									
Horizontal installation	≤1.1N									
Operation temperature	-40~100℃									
Life time	>50X 10 ⁶ 次									
Shock	50g 6ms									
Max spead	10m/s 最大									
Protection class	IP50									

KTC Potentionmeter conductive plastic linear

	KTF	KTF	KTF	KTF	KTF
Electrical-parameters					
Model size	850	900	950	1000	1250
Nominal stroke (mm)	850	900	950	1000	1250
Electric stroke (mm)	855	905.5	955.5	1006	1259
Standard R(KΩ)	10	10	10	10	20
R tolerance	±10%				
Independent					
Linearity(%)					
Repeatability precise	0.01mm				
Cusor current	≤1 μA				
Max cusor current	10mA				
Max power supply	42V				
Volts					
Coefficient Volts to	典型值				
Temp	5 ppm/K				
Insulation R (500VDC, 1bar, 2s)	≥10MΩ				
Insulation strength (50Hz, 2s, 1bar, 500VDC)	≤100 μA				
Mechanical Parameter					
Shell Length(A)	1006	1057	1107	1158	1411
Mechanical stroke(M)	862	912.5	962.5	1013	1266
Operation force					
Ball head allows displacement	±5° 偏差				
Vertical installation	≤0.4N				
Horizontal installation	≤1.1N				
Operation temperature	-40~100℃				
Life time	>50X 10 ⁶ 次				
Shock	50g 6ms				
Max speed	10m/s 最大				
Protection class	IP50				

KTC Potentionmeter conductive plastic linear

Standard accessories:

Hermans connector x 1

Seal x1

brackets x2

(M5) Screwsx4