

KSC Position Transducers with Restoring Spring



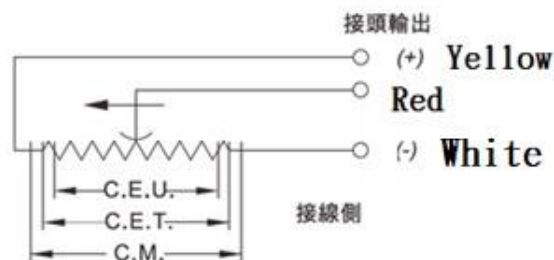
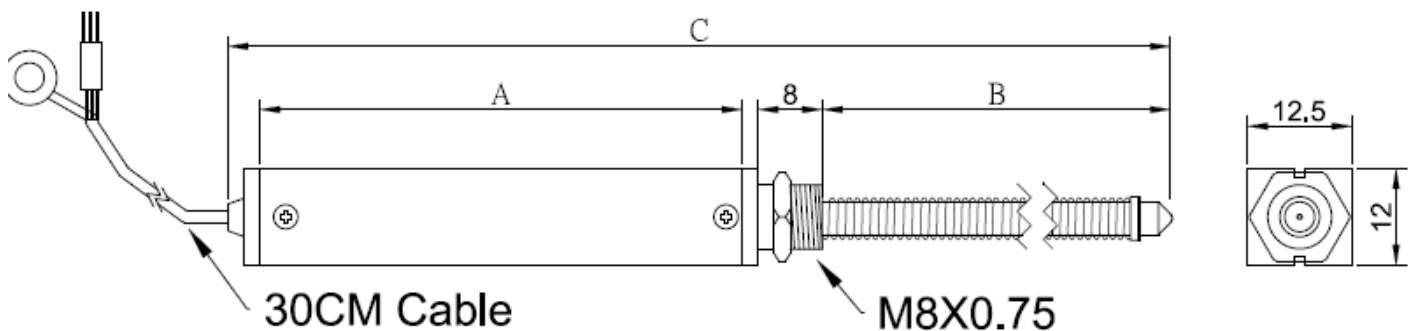
Characteristic:

1. Self-restoring design ◦
2. Small size ◦
3. Compact structure ◦
4. Easy to install ◦
6. Widely used in miniature control systems ◦

Advantage :

- Long service life, up to 50×10^6 times ◦
- Higher resolution 0.01mm ◦
- High running speed ◦
- Protection level IP65 ◦

Installation dimension drawing:



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Electrical-parameters						
Model size	10	20	30	40	50	60
Nominal stroke (mm)	10	20	30	40	50	60
Electric stroke (mm)	10.5	20.5	30.5	40.5	50.5	60.5
Standard R(KΩ)	5	5	5	5	5	5
R tolerance	±20%					
Independent	1	0.5	0.5	0.5	0.25	0.25
Linearity(%)						
Repeatability precise	0.01mm					
Cusor current	≤1 μA					
Max cusor current	10mA					
Max power supply	≤24VDC					
Volts						
Coefficient Volts to	≤1 ppm/°C					
Temp						
Insulation R	≥10MΩ					
(500VDC, 1bar, 2s)						
Insulation strength	≤100 μA					
(50Hz, 2s, 1bar, 500VDC)						
Operation force						
Total length (C)	69.9	94.9	118.9	143.9	168.9	193.9
Rod length (B)	18.5	33.5	48.5	63.5	78.5	93.5
Shell length (A)	43.5	53.5	63.5	73.5	83.5	93.5
Operation force						
temperature range	-40~100°C					
Life time	≥100X 10 ⁶ 次					
Impact resistance	50g 6ms					
index						
Maximum operating	≤5m/s					
speed						
Maximum return speed	≤1m/s					
Protection class						
IP65						