

LTZ12 Series

Linear Position Sensor



Feature:

- Better resolution than 0.01mm
- Linear excellence up to 0.05% F.S.
- Pocket design, can be installed in a narrow position,
- Installation mode Optional: bracket, flange, fisheye bearing.

Details:

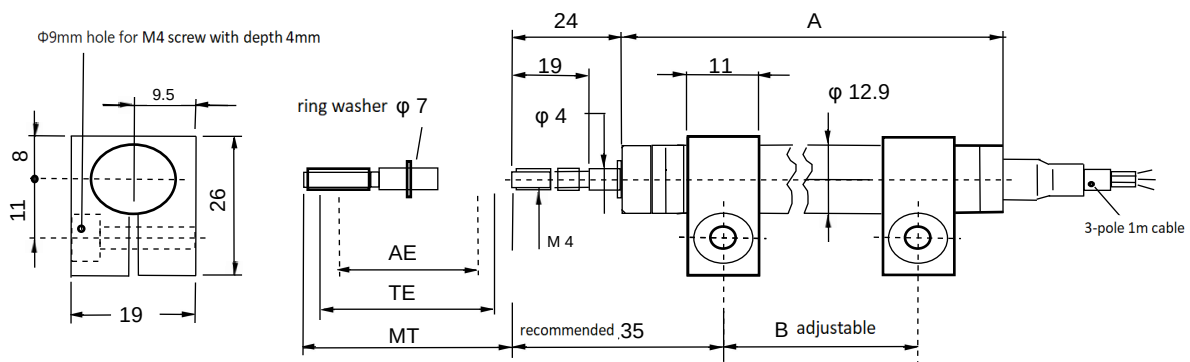
- Aluminum alloy outer shell, surface bright wire drawing treatment
- stainless steel pull rod, rotatable.
- Flexible cushion bearing
- High precision conductive plastics for resistance components
- Brush assembly A pair of multi-touch alloy brush,

Usage:

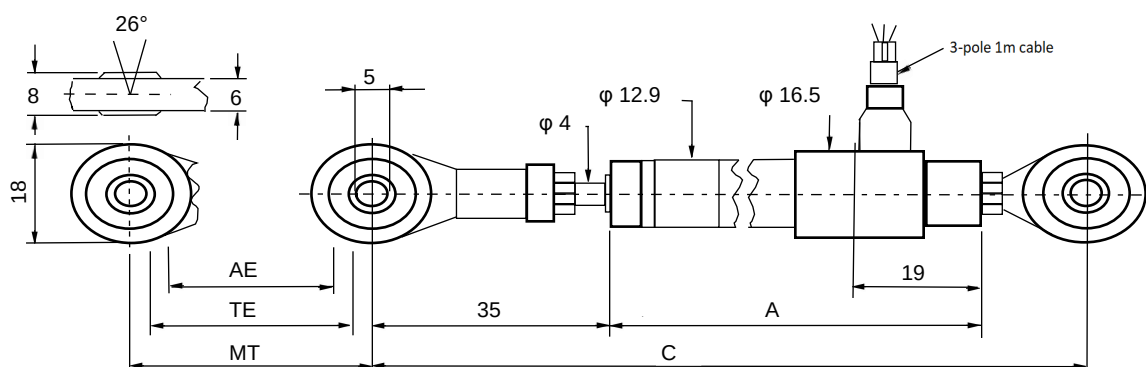
- Machinery industry and automobile industry
- Experimental equipment, actuator,
- Sluice control, robotics, hydraulic machinery, etc

Dimensions:

LTZ12 - S

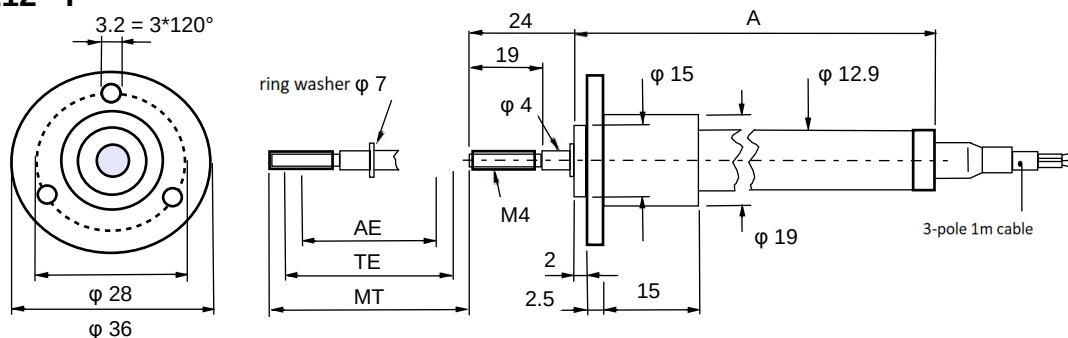


LTZ12 - A



Dimensions:

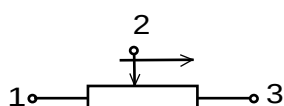
LTZ12 - F



Parameters:

Paramter	unit	Detail					
Range	mm	25	50	75	100	125	150
Electrical range TE	mm	26	51	76	101	126	151
Effective range AE	mm	25	50	75	100	125	150
Mechanical range MT	mm	30	55	80	105	130	155
LTZ12-S/F (A)	mm	74.5	99.5	124.5	149.5	174.5	199.5
LTZ12-A (A)	mm	102	127	152	177	202	227
LTZ12-S (B)	mm	42	67	92	117	142	167
LTZ12-A (C)	mm	153	178	203	228	253	278
Resistance +/-20%	k Ω	1	2	3	4	5	6
Linearity	+/-%	0.2	0.1	0.1	0.1	0.05	0.05
Resolutions	mm	0.01					
Work temperature	°C	-30 - +100					
Recomanded work curren	mA	<1 (voltage MAX: 40 VDC)					
Potection class		IP 6 0					
push/pull force	N	≤1.2					
antivibration		IEC 68-2-6 1982 10G					
antishock		IEC 68-2-29 1968 40G					

Wirings:



wiring define:

terminal1 ---brown wire V+ (5/10)V DC
terminal2 ---yellow wire signal output
terminal3 ---blue sire 0V,common

Instructions:

LTZ12 - X - XXX
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mounting method range
S: with holder 25 = 25 mm
A: with ball joint 75 = 75 mm
F: with flange . . .
150 = 150 mm