

LTZ34 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.

Detail:

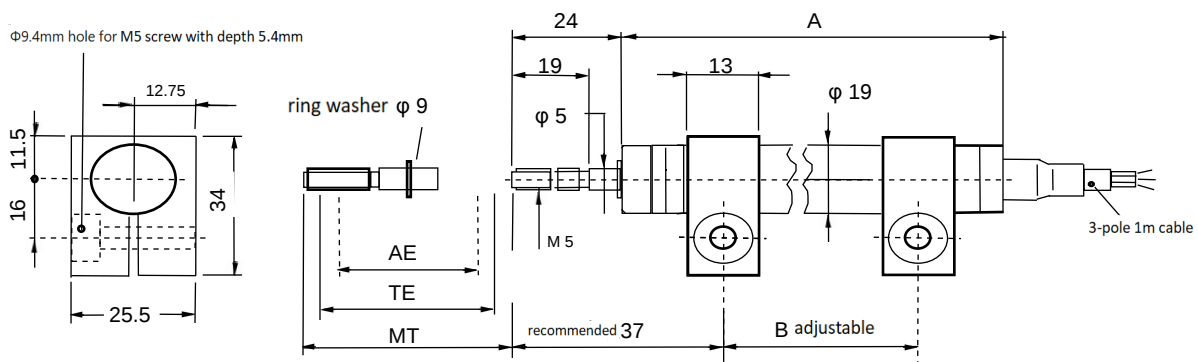
- Aluminum alloy outer shell, surface bright wire drawing treatment
- stainless steel pull rod, rotatable.
- Flexible cushion bearing
- High precision conductive plastics for resistance components
- Brush assembly A pair of multi-touch alloy brush,

Usage:

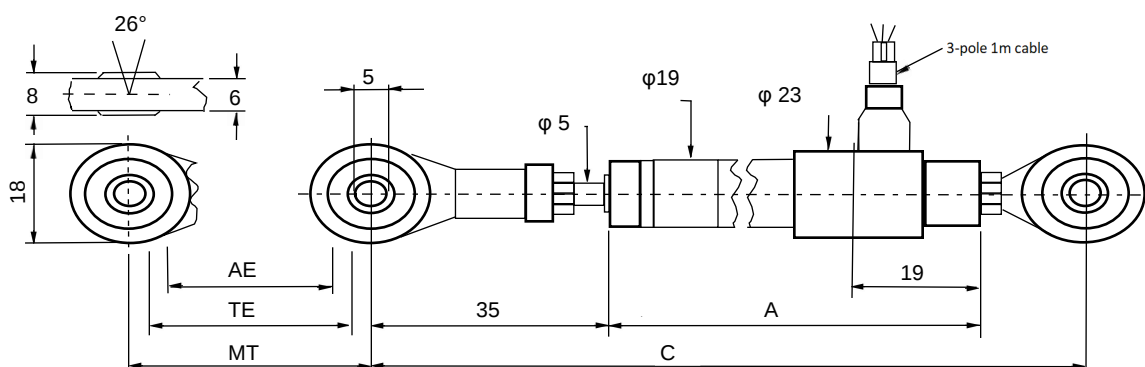
- Machinery industry and automobile industry
- Experimental equipment, actuator,
- Sluice control, robotics, hydraulic machinery, etc

Dimensions:

LTZ34 - S

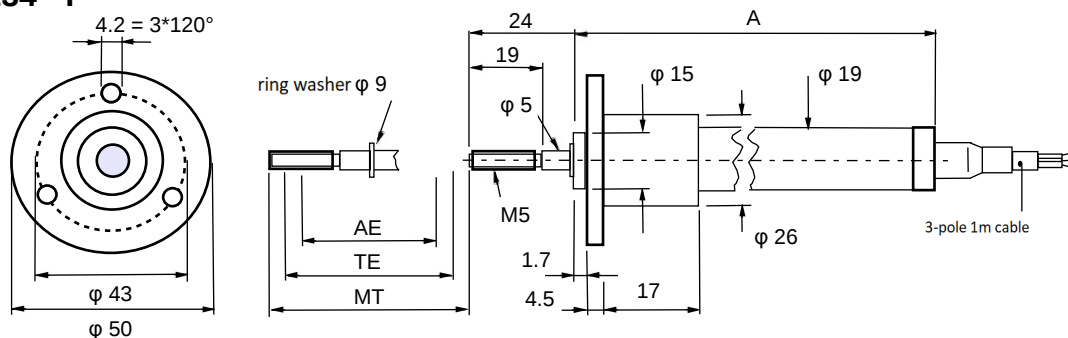


LTZ34 - A



Dimensions:

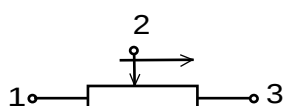
LTZ34 - F



Parameters:

Parameter	unit	Detail							
Range	mm	25	50	75	100	125	150	200	250
Electrical range TE	mm	26	51	76	101	126	151	201	251
Effective range AE	mm	25	50	75	100	125	150	200	250
Mechanical range MT	mm	30	55	80	105	130	155	205	255
LTZ34-S/F (A)	mm	83.5	108.5	133.5	158.5	183.5	208.5	258.5	308.5
LTZ34-A (A)	mm	110	135	160	185	210	235	285	335
LTZ34-S (B)	mm	47	72	97	122	147	172	222	272
LTZ34-A (C)	mm	163	188	213	238	263	288	338	388
Resistance +/-20%	k Ω	1	2	3	4	5	6	8	10
Linearity	+/- %	0.2	0.1	0.1	0.1	0.05	0.05	0.05	0.05
Resolutions	mm	0.01							
Work temperature range	$^\circ\text{C}$	-30 - +100							
Recommended work current	mA	<1 (voltage MAX: 40 VDC)							
Protection class		IP 6 0							
Push/pull force	N	≤ 1.2							
antivibration		IEC 68-2-6 1982 10G							
anti-shock		IEC 68-2-29 1968 40G							

Wirings:



wire define:

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

Instructions:

LTZ34 - 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 . . .
250 = 250 mm