Datasheet T301F

Articlenumber 1001524

Halfbridge Transducer with 36.88 mm/Vmm sensitivity and ± 2 mm measuring stroke, Pretravel adjustable. Spring push. Cable 2 m, cable exit axial.

Total Stroke, Measuring stroke, Pretravel, Pretravel default setting, Bearing, Lifetime, Tip rotation, Temperatur range, Mounting position, Tip, Bellow, Body diameter, Plug, Cable feature, Cable information	
Total Stroke	4.6 mm
Measuring stroke	± 2.0 mm
Pretravel	adjustable
Pretravel default setting	- 2.25 mm
Bearing	Ball bearing, no side-play
Lifetime	> 10 Mio. Cycles
Tip rotation	1° over full stroke
Temperatur range	-10 to +65 °C, storage and operation
Mounting position	any
Tip	3 mm tungsten carbide ball, M2.5 fixing thread, exchangeable
Bellow	FPM / FKM
Body diameter	8h6
Plug	5 pin, 240°
Cable feature	PUR shielded, Length 2 m
Cable information	Outer- ϕ 4.0 mm, drag chain compatible

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Advance, Lift off, Spring rate, Spring rate information, Spring rate optional	
Advance	spring push
Lift off	no
Spring rate	0.63 N
Spring rate information	at electrical zero, tolerance ± 20%
Spring rate optional	0.16 N - 4.0 N

Repeatability, Linearity error	
Repeatability	0.01 µm
Linearity error	0.4% FS (full-scale) ± 2000 µm range (at 20 °C ± 1°C)

Sensitivity, Setting, Amplifier input load, Supply voltage, Drive frequency, Coil scheme	
Sensitivity	36.88 mV/(Vmm)
Setting	1:2
Amplifier input load	2 kOhm Input resistance, ± 0.1%
Supply voltage	3.0 V ±0.5%RMS
Drive frequency	13.0 kHz ±5%
Coil scheme	Halfbridge, TESA® compatible

Documents information	
Documents information	All drawings and 3D models are shown in "electrical zero" position.

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