

Datasheet T102F

Articlenumber 1001103

Halfbridge Transducer with 73.75 mm/Vmm sensitivity and $\pm\,1$ mm measuring stroke, Pretravel adjustable. Spring push. Cable 2 m, cable exit radial.



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	± 1.0 mm
Pretravel	adjustable
Pretravel default setting	- 1.2 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- \emptyset 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	0.25% FS (full-scale) \pm 1000 μ m range (at 20 °C \pm 1°C)

Sensitivity, Setting, Amplifier input load, Supply voltage, Drive frequency, Coil scheme		
Sensitivity	73.75 mV/(Vmm)	
Setting	1:1	
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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