



Datasheet T100FS

Articlenumber 1003379

Halfbridge Transducer pluggable with 73.75 mm/Vmm sensitivity and ± 1 mm measuring stroke, Pretravel adjustable. Spring push. Cable length variable, cable exit variable.



Total Stroke, Measuring stroke, Pretravel, Pretravel default setting, Bearing, Lifetime, Tip rotation, Temperatur range, Mounting position, Tip, Bellow, Body diameter, Plug	
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	M8, 4 pin

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





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Repeatability, Linearity error

Repeatability	0.01 μm
Linearity error	0.25% FS (full-scale) \pm 1000 μm range (at 20 °C \pm 1°C)

Sensitivity, Setting, Amplifier input load, Drive frequency, Supply voltage, Coil scheme

Sensitivity	73.75 mV/(Vmm)
Setting	1:1
Amplifier input load	2 kOhm Input resistance, \pm 0.1%
Drive frequency	13.0 kHz \pm 5%
Supply voltage	3.0 V \pm 0.5% RMS
Coil scheme	Halfbridge, TESA® compatible

Documents information

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