

Datasheet T201F

Articlenumber 1001403

Halfbridge Transducer with 73.75 mm/Vmm sensitivity and ± 1 mm measuring stroke, 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	2.5 mm
Measuring stroke	± 1.0 mm
Pretravel	not adjustable
Pretravel default setting	- 1.25 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	2 mm tungsten carbide ball, M2.5 fixing thread, exchangeable ex factory by arrangement
Bellow	FPM / FKM
Body diameter	8h6
Plug	5 pin, 240°
Cable feature	PUR shielded, Length 2 m
Cable information	Outer- \varnothing 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	0.4 N
Spring rate information	at electrical zero, tolerance $\pm 50\%$
Spring rate optional	ex-factory upon request

Repeatability, Linearity error

Repeatability	0.02 μm
Linearity error	0.6% FS (full-scale) $\pm 1000 \mu\text{m}$ range (at 20 °C $\pm 1^\circ\text{C}$)

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, $\pm 0.1\%$
Supply voltage	3.0 V $\pm 0.5\%$ RMS
Drive frequency	13.0 kHz $\pm 5\%$
Coil scheme	Halfbridge, TESA® compatible

Documents information

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