



Datasheet T501P

Articlenumber 1001778

Halfbridge Transducer with 7.38 mm/Vmm sensitivity and ± 5 mm measuring stroke, Pretravel adjustable. Pneumatic 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	10.6 mm
Measuring stroke	± 5.0 mm
Pretravel	adjustable
Pretravel default setting	+ 5.5 mm
Bearing	Ball bearing, no side-play
Lifetime	> 10 Mio. Cycles, bellow wear part exchangeable
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- \varnothing 4.0 mm, drag chain compatible





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Advance, Lift off, Pressure Pmax, Pressure P application, Spring rate information

Advance	pneumatic
Lift off	return spring
Pressure Pmax	1.5 bar
Pressure P application	1.2 bar
Spring rate information	apx. 2.0 N at 1.2 bar / apx. 1.5 N at 0.9 bar (at el. zero)

Repeatability, Linearity error

Repeatability	0.02 μm
Linearity error	0.8% FS (full-scale) \pm 5000 μm range (at 20 °C \pm 1 °C)

Sensitivity, Setting, Optional sensitivity setting, Setting optional, Amplifier input load, Drive frequency, Supply voltage, Coil scheme

Sensitivity	7.38 mV/(Vmm)
Setting	1:10
Optional sensitivity setting	14.76 mV/(Vmm)
Setting optional	1:5
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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