



Datasheet T302P

Articlenumber 1001634

Halfbridge Transducer with 36.88 mm/Vmm sensitivity and ± 2 mm measuring stroke, Pretravel adjustable. Pneumatic 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	± 2.0 mm
Pretravel	adjustable
Pretravel default setting	+ 2.35 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





Datasheet T302P

Articlenumber 1001634



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	0.7 bar
Spring rate information	apx. 1.0 N at 0.7 bar / apx. 0.6 N at 0.5 bar application pressure (at el. zero)

Repeatability, Linearity error

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

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

Sensitivity	36.88 mV/(Vmm)
Setting	1:2
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.
-----------------------	---

