



Datasheet T202P

Articlenumber 1001465

Halfbridge Transducer with 73.75 mm/Vmm sensitivity and ± 1 mm measuring stroke, 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	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	Ø 2.0 mm tungsten carbide ball, M2.5, exchangeable after consultation
Bellow	FPM, factory replaceable
Body diameter	Ø 8h6
Plug	M16x0.75, 5-pin, DIN45322
Cable feature	PUR shielded, length 2 m
Cable information	Outer- Ø 4.0 mm, drag chain compatible





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

Advance	pneumatic
Lift off	return spring
Pressure Pmax	1.5 bar
Pressure P application	0.8 bar
Spring rate	$F = f(p)$ N
Spring rate information	apx. 1.0 N at 0.8 bar / apx. 0.6 N at 0.6 bar (at el. zero)

Repeatability, Linearity error

Repeatability	0.02 μ m
Linearity error	0.6% 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, $\pm$ 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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