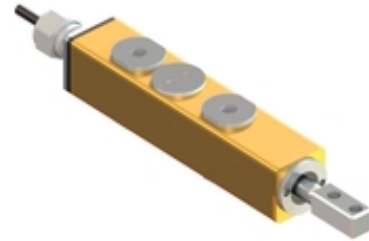


Datasheet BMT500

Articlenumber 1004492

Miniature Measuring Transducer dimension 12x14x76 mm with 73.75 mV/Vmm sensitivity and +/- 0.5 mm measuring stroke



Total Stroke, Measuring stroke, Temperatur range, Screw mounting, Mounting position, Thread for tip, Tip, Plug, Cable feature, Cable information

Total Stroke	1.160 mm
Measuring stroke	± 0.50 mm
Temperatur range	-10 to +65 °C, storage and operation
Screw mounting	M3 (2x Ø3.0)
Mounting position	any
Thread for tip	M3 Helicoil Screwlock
Tip	not in scope of delivery, on request
Plug	5 pin, 240°
Cable feature	PUR shielded, Length 2 m
Cable information	Outer- Ø 2.0 mm, drag chain compatible

Spring rate, Spring rate information

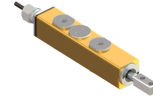
Spring rate	1.0 N
Spring rate information	at electrical zero, tolerance ± 30%

Repeatability, Linearity error

Repeatability	0.05 µm
Linearity error	1.0% FS (full-scale) ±500 µm range (at 20 °C ± 1°C)

Datasheet BMT500

Articlenumber 1004492



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

Sensitivity	73.75 mV/(Vmm)
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

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