

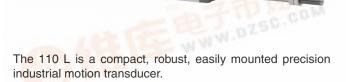
Vishay Sfernice

RoHS COMPLIANT

Precision Linear Transducers, Conductive Plastic, up to 450 mm

FEATURES

- Large measurement range
- High accuracy ± 1 % down to ± 0.05 % WWW.DZSG.C
- Essentially infinite resolution
- Easy mounting



ELECTRICAL SPECIFICATIONS					
Theoretical Electrical Travel (TET) = E	25 mm to 4 <mark>50 mm in increments of 25</mark> mm				
Independent Linearity (over TET) On Request	$\leq \pm 1 \% \leq \pm 0.1 \%$ $\leq \pm 0.05 \%$ for E $\geq 100 \text{ mm}$				
Actual Electrical Travel (AET)	See Electrical Connections Table 1				
Repeatability	≤ 0.01 %				
Ohmic Values (RT)	From 400 Ω/cm to 2 kΩ/cm				
Resistance Tolerance at 20 °C	± 20 %				
Maximum Power Rating	0.05 W/cm at 70 °C, 0 W at 125 °C				
Wiper Current	Recommended: a few µA - 1 mA max. (continuous)				
Load Resistance	Minimum 10 ³ x R _T				
Insulation Resistance	≥ 1000 MΩ, 500 V _{DC}				
Dielectric Strength	≥ 750 V _{RMS} , 50 Hz				

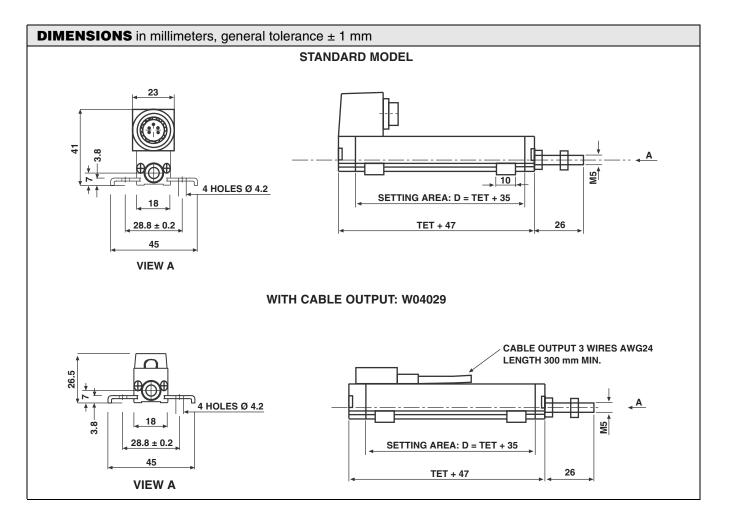
MECHANICAL SPECIFICATIONS					
Mechanical Travel	TET + 6 mm min.				
Housing	Anodized aluminum				
Operating Force	5 N typical				
Shaft (Free Rotation)	Stainless steel				
Termination On Request	Connector: 723 series by cable				
Wiper	Precious metal multifinger				
Mounting	Movable brackets				

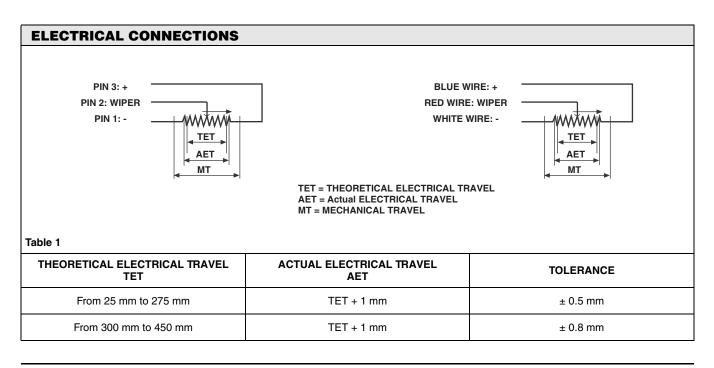
PERFORMANCE					
Operating Life	40 million cycles typical/1 Hz/T° = 20 °C ± 5 °C/80 % TET				
Temperature Range	- 55 °C to + 125 °C				
Mechanical Shocks on 3 Axes	50 g - 11 ms - half sine				
Sine Vibration on 3 Axes	1.5 mm peak to peak or 15 g - 10 Hz - 2000 Hz				
Speed (max.)	8 m/s for f < 2 Hz; 3 m/s for f < 5 Hz				



Violation Stempic of

Precision Linear Transducers, Conductive Plastic, up to 450 mm

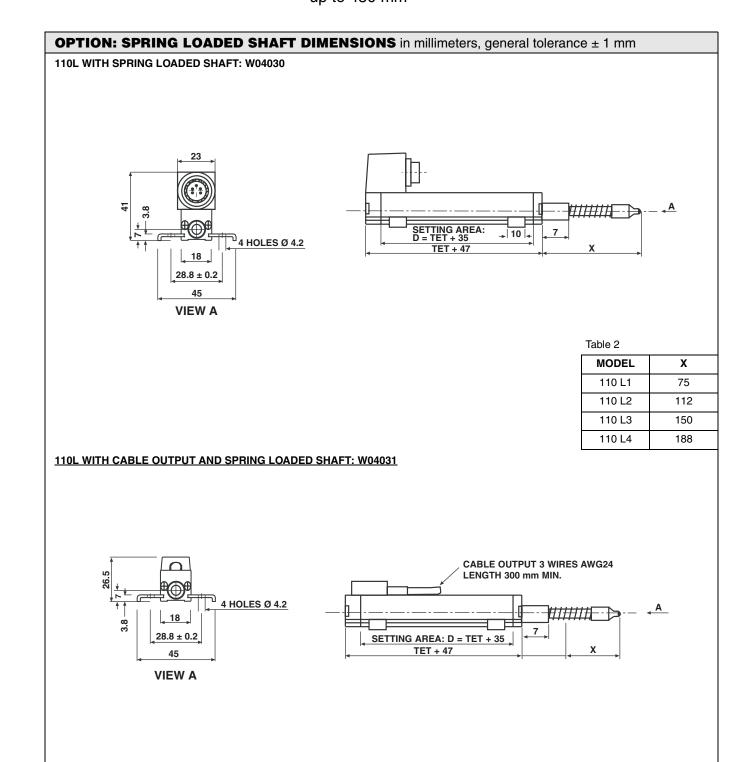






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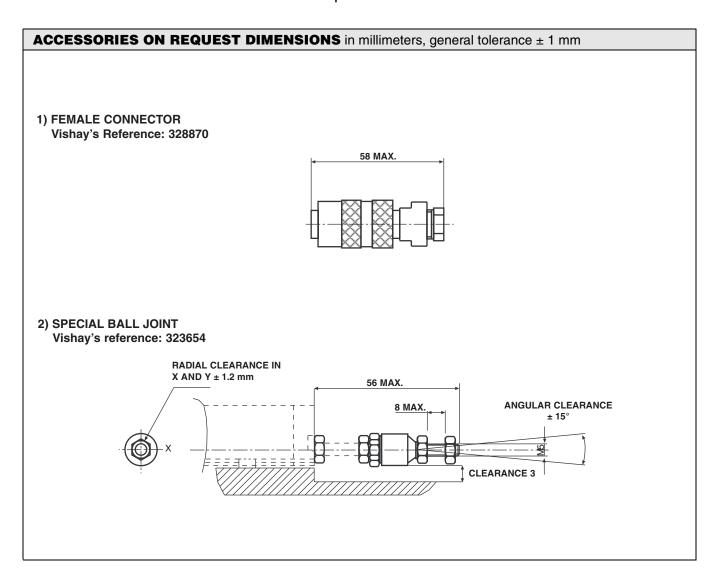
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ORDERING INFORMATION/DESCRIPTION							
REC	110	L	3	D	103	W	е.
SERIES	MODEL	NUMBER OF TRACKS	THEORETICAL ELECTRICAL	LINEARITY	OHMIC VALUE	MODIFICATIONS	LEAD FINISH
		L = 1 track	Times 25 mm	A: ± 1 % D: ± 0.1 % E: ± 0.05 %	First 2 digits are significant numbers 3rd digit indicates number of zeros	Special feature code number	

SAP PART NUMBERING GUIDELINES							
RE	110 L	3	D	103	W		
SERIES	MODEL	TET	LINEARITY	OHMIC VALUE	SPECIAL FEATURES		



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