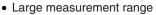
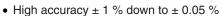


Vishay Sfernice

Precision Linear Transducers, Conductive Plastic, up to 450 mm

FEATURES







Easy mounting





The 110 L is a compact, robust, easily mounted precision industrial motion transducer.

ELECTRICAL SPECIFICATIONS	
Theoretical Electrical Travel (TET) = E	25 mm to 450 mm in increments of 25 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 (R _T)	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			

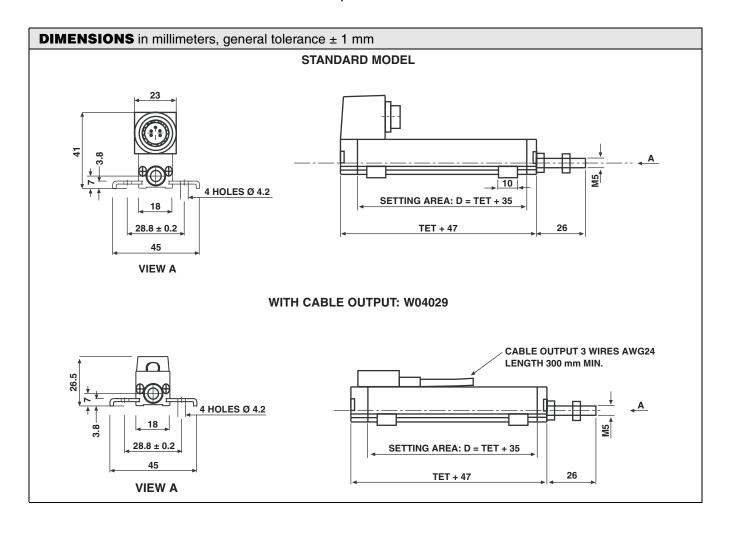
PERFORMANCE					
Operating Life	40 million cycles typical/1 Hz/T° = 20 °C ± 5 °C/80 % TET				
Temperature Range	- 55 °C to + 125 °C				
Mechanical Shocks on 3 Axes	50 g - 11 ms - half sine				
Sine Vibration on 3 Axes	1.5 mm peak to peak or 15 g - 10 Hz - 2000 Hz				
Speed (max.)	8 m/s for f < 2 Hz;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

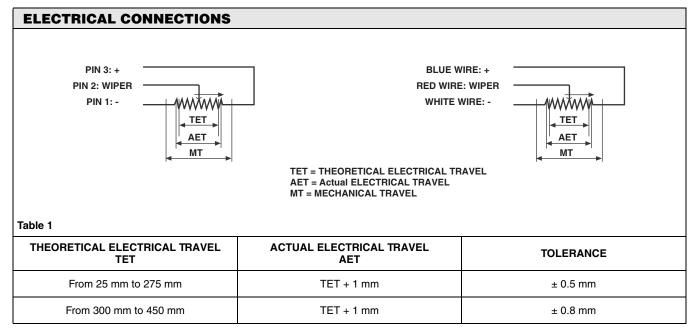
Series REC 110 L

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Precision Linear Transducers, Conductive Plastic, up to 450 mm







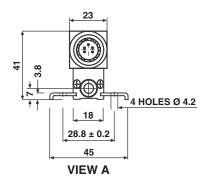


Precision Linear Transducers, Conductive Plastic, up to 450 mm

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OPTION: SPRING LOADED SHAFT DIMENSIONS in millimeters, general tolerance ± 1 mm

110L WITH SPRING LOADED SHAFT: W04030



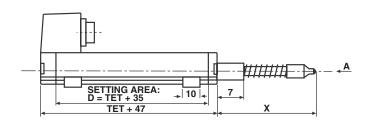
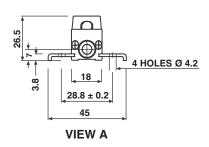
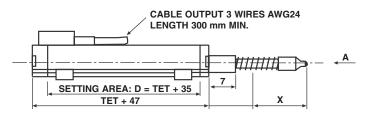


Table 2

MODEL	Х
110 L1	75
110 L2	112
110 L3	150
110 L4	188

110L WITH CABLE OUTPUT AND SPRING LOADED SHAFT: W04031



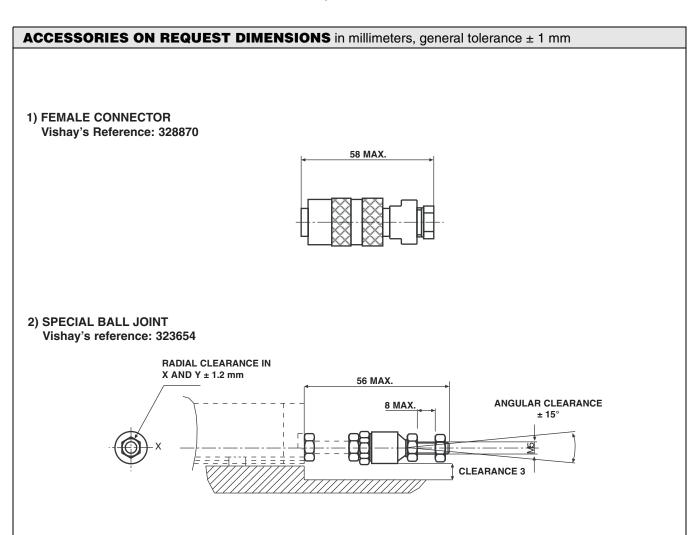


Series REC 110 L

Vishay Sfernice

Precision Linear Transducers, Conductive Plastic, up to 450 mm





ORDERING INFORMATION/DESCRIPTION							
REC	110	L	3	D	103	W	e.
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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