



NORDIC TRANSDUCER

SPECIFICATIONS LINEAR MOTION POTENTIOMETERS TYPES PLS - PL2S -PL231

STROKE mm	50	100	150	200	250	300	400	500	750	950
RESISTIVE ELEMENTS	CONDUCTIVE PLASTIC									
CURSOR	NOBLE METAL WITH MULTIPLE ELEMENTS									
STANDARD RESISTANCE VALUES	STANDARD 5K									
TOTAL RESISTANCE TOLERANCE	STANDARD 20%									
INDEPENDENT LINEARITY	+/-0,075%					0,1%				
RESOLUTION	INFINITE									
OUTPUT SMOOTHNESS	< 0,1% AGAINST INPUT VOLTAGE									
CONTACT RESISTANCE VARIATION	<2% C.R.V.									
POWER RATING	0,5	1	1,75	2	2,25	2,5	3	4	4	4,75
TEMPERATURE COEFFICIENT	+/- 400P.P.M./°C									
INSULATION RESISTANCE	>1000MOhm at 500Vdc									
ELECTRICAL CONNECTIONS	FREELY ROTATING CONNECTOR									
CASE	ANODISED ALUMINIUM WITH NYLON+GLASS CLOSING FLANGES									
MOTION STEM SLIDING	STAINLESS STEEL ON AUTOLUBRICATING ALEBOX FREE ROTATION									
SLIDING FRICTION	0,1KG <0,5Kg TYPES WITH SPRINGS									
MAX. STRAIN ON CLOSING FLANGES	10kg									
FIXING	FREELY MOVABLE METAL CLAMPING FEET OR BALL BEARINGS									
LIFE EXPECTANCY	20 MILL. MOTIONS NO LOAD									
OPERATING TEMPERATURE	-25..... +85°C									
PROTECTION DEGREE	IP65									
STEM MAX. LINEAR SPEED	1 m/sec									
WEIGHT kg	0,13	0,25	0,4	0,5	0,55	0,75	1,0	1,25	1,9	2,4

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