

ROTARY ENCODERS

NSC NSC-RES Encoder

The servo-mount faceplate makes aligning electrical and mechanical zero fast and easy. In addition, this encoder is superior to a resolver by lowering costs and eliminating the need for an analog to digital converter. The NSC-1024-2MD-RES is a direct encoder replacement for a NEMA 11 resolver.



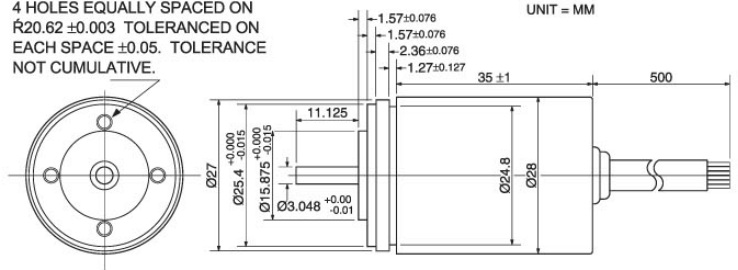
Features:

- Digital output - communicates directly with the CPU
- Direct mechanical replacement with servo-mount
- Eliminates the cost of an A/D converter
- Typical cost is far lower than a resolver
- Works on 5VDC

go online for full product details

NSC-RES dimensions/specs

#4-40 UNC-2B, 3.175 MIN. DEPTH
4 HOLES EQUALLY SPACED ON
R20.62 ±0.003 TOLERANCED ON
EACH SPACE ±0.05. TOLERANCE
NOT CUMULATIVE.



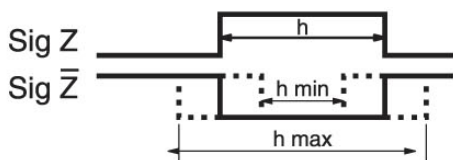
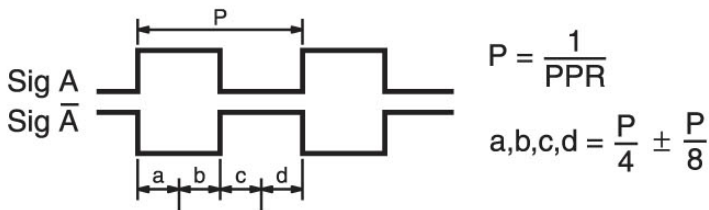
electrical	
resolution	1024PPR
supply voltage	5VDC ±5%
current	150mA max.
output voltage	H=2.5V min.; L=0.5V max.
sink current	20mA max.
signal risetime	200nS max.
freq. response	150kHz max.

mechanical	
max shaft load	radial: 1.0 kgf; axial: 0.5 kgf
moment of inertia	2.0 g•cm ²
angular acceleration	1 x 10 ⁵ rad/S ²
max slewing speed	6000 RPM
starting torque	10 gf•cm max
rotational life	1 x 10 ⁸ rpm•hrs

environmental	
operating temp	-10° to ± 70° C
storage temp	-30° to ± 80° C
humidity	≤85% RH, no condensation
vibration	10~55 Hz, 1.5mm, 2 hrs.
shock	50G, 11ms, 3 axes, 3reps

NSC-RES output waveform

clockwise rotation viewed from front



ordering



920-907-0001
www.machinemate.com
email: info@machinemate.com

845 South Main Street
Fond du Lac, WI 54935-6174