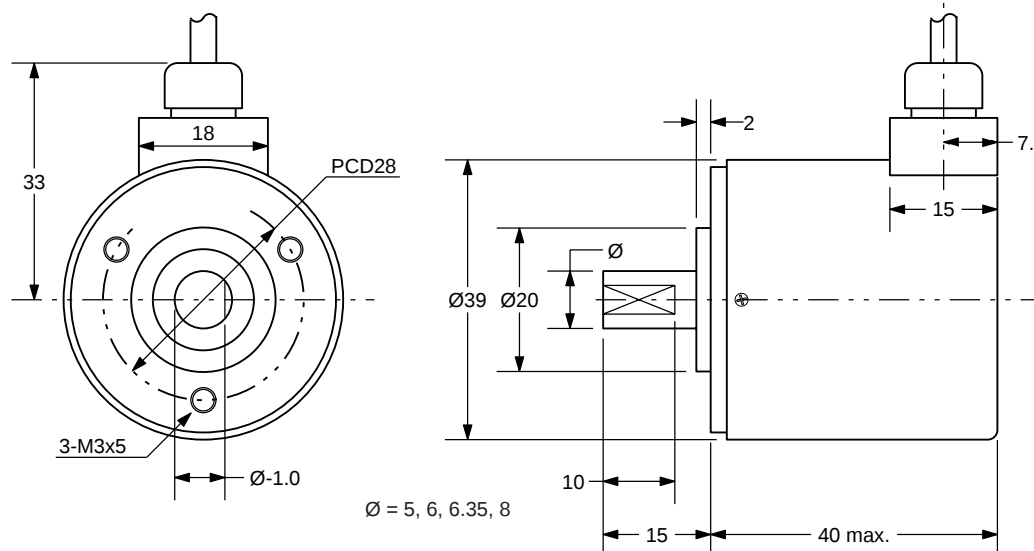


**IP65
Dust Proof
Drip Proof**

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Electrical Specifications

TYPE		" "	C	HC/HCP	HT	D
Supply Voltage		4.5 ~ 13.2VDC		10.6 to 26.4 VDC		5.0 VDC ±5%
Current		50mA max	60mA max			150mA max
Output Voltage	H	Vcc -1V	—————		Vcc -3V	≥ 2.5V
	L	≤ 0.5V			≤ 3.0V	≤ 0.5V
Sink Current		20mA max			40mA max	20mA max
Signal Risetime		≤ 1μS				≤ 200 nS
Freq. Response		200kHz				

Mechanical

1. Max Shaft Load, radial: 3.0 kgf
axial: 2.0 kgf
2. Max Slewing Speed: 5000 RPM
3. Starting Torque: 49gf•cm max.
4. Rotational Life: 1 x 10⁸ rpm•hrs

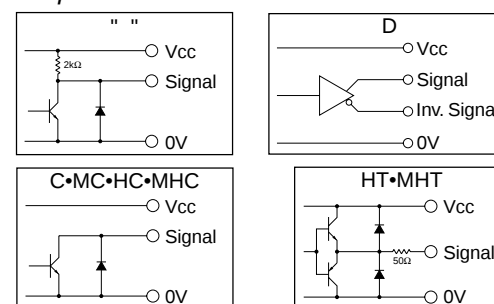
Environmental

1. Operating Temp: -10° to +70° C
2. Storage Temp: -30° to +80° C
3. Humidity: ≤ 85% RH, no condensation
4. Vibration: 10~55 Hz, 1.5 mm, 2 hrs
5. Shock: 294m/S², 3 axes, 3 reps
6. Protection: IP65

Standard Resolutions

NSV-XXX			
003	30 P/R	0646	646 P/R
01	100 P/R	08	800 P/R
02	200 P/R	09	900 P/R
025	250 P/R	10	1000 P/R
0256	256 P/R	1024	1024 P/R
03	300 P/R	12	1200 P/R
036	360 P/R	15	1500 P/R
04	400 P/R	18	1800 P/R
05	500 P/R	20	2000 P/R
0512	512 P/R	2048	2048 P/R
06	600 P/R	25	2500 P/R

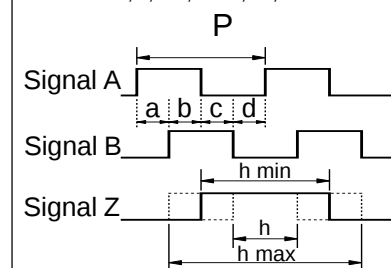
Output Circuits



Output Waveform

Clockwise rotation viewed from front

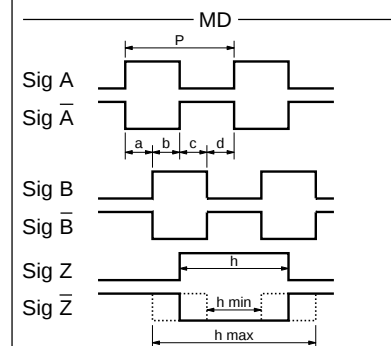
M, C, MC, MHC, HT, MHT



$$P = \frac{1}{PPR}$$

$$a, b, c, d = \frac{P}{4} \pm \frac{P}{8} \quad h = P \pm 0.75P$$

Wave Duty Ratio: 50% ± 25%



Ordering Information

NSV-XXXX-XXXX-XXX

Resolution(P/R)

Channels: 2=A/B

M=Index Channel

Output Type:

" " = TTL Voltage
C = Open Collector
HC = HV Open Coll
HCP = PNP Push-Pull
T = Push-Pull
D = Diff Driver

Shaft Diameter:
500 = Ø5mm
600 = Ø6mm
635 = Ø0.25"
800 = Ø8mm



CUI Stack, Inc.

9615 SW Allen Blvd. #103

Beaverton, OR 97005

Tel: 503/643-4899 FAX: 503/643-6129

DRAWN BY

JAS

UPDATED

03/23/00

CHECKED

03/23/00

RELEASED

PART NO.

NSV-XXXX-2XXX-XXX

REV.

A