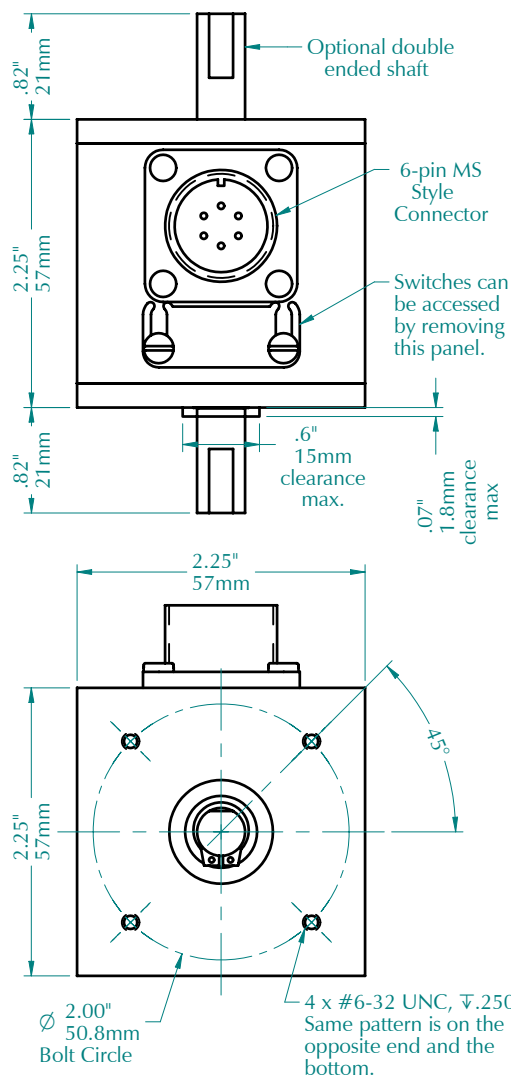


FEATURES

- DIP switch selectable counts per revolution
- 1 through 64 counts per revolution
- 1/4", 5/16" or 3/8" shaft diameter
- Single or double ended shaft
- Anti-Jitter feature
- CE and RoHS compliant available
- ESD and short circuit protection
- 5 vdc and 8 to 30 vdc supply voltages
- Non-programmable models available

DIMENSIONS

(shown with 3/8" diameter, double ended shaft)

**SPECIFICATIONS****Electrical****Supply Voltages:** (specify when ordering)5 $\pm$ 5% VDC or 8-30 VDC**Supply Current:** 50 mA max (no load)**Operating Temperature:** -25° to +85° C**Output Circuit:** (specify when ordering)

Output voltage level is approximately the same as the input voltage level.

Single Ended:

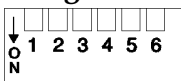
— NPN open collector (30vdc/50ma max)

— Push/Pull (50ma max source/sink)

Differential Line Driver:

— 7272 line driver (output same as supply volts)

— RS422 line driver (regulated 5vdc output)

Maximum operating speed: 2,500 rpm**Configuration Switches****Switch definitions:**☐ Up (off)☒ Down (on)

Counts per Revolution Selection					
1	2	3	4	5	6
1	2	3	4	5	6
2	3	4	5	6	1
3	4	5	6	1	2
4	5	6	1	2	3
5	6	1	2	3	4
6	1	2	3	4	5
7	1	2	3	4	5
8	1	2	3	4	5
9	1	2	3	4	5
10	1	2	3	4	5
11	1	2	3	4	5
12	1	2	3	4	5
13	1	2	3	4	5
14	1	2	3	4	5
15	1	2	3	4	5
16	1	2	3	4	5
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61	1	2	3	4	5
62	1	2	3	4	5
63	1	2	3	4	5
64	1	2	3	4	5

Mechanical**Shaft Diameters:** (specify when ordering)

1/4", 5/16", 3/8"

Shaft Style: (specify when ordering)

single ended or double ended

Shaft Loading: Radial: 25 lbs. / 11.3 kg max.

Axial: 15 lbs. / 6.8 kg max.

A flexible shaft coupling is recommended.

Bearing Life: 36 x 1,000,000/rpm = hours**Materials:** Case: Aluminum, anodized

Shaft: 303 Stainless steel

Switch cover: ABS plastic

Weight: 11 oz. (312 grams)**Outputs****Counts per Revolution:** Selectable by setting the configuration switches. Output A is "low" when power is initially applied.**Output Waveform:** 50/50 squarewave— Pulse symmetry: 180° $\pm$ 30%

— Pulse interval jitter: 30% max

Anti-jitter: Increases pulse hysteresis to 1/2 of a pulse width eliminating the dither caused by excess mechanical vibration and the resulting false output pulses.**Electrical Connections****Single Ended Outputs:**

6-pin	4-pin	Function	Wire Color
A	3	Common	Black
B	1	Supply Voltage	Red
D	4	Output A	White
C,E,F	2	no connection	--

Differential Line Driver Outputs:

6-pin	4-pin	Function	Wire Color
A	3	Common	Black
B	1	Supply Voltage	Red
C	4	Output +A	White
D	2	Output -A	Green
E,F	--	no connection	--

4-pin 12mm is Turck FS4.4/14.5 or equivalent

6-pin MS is C-5015 style 97-3102A-14S-6P or similar

MODEL NUMBER

RS	P	64AJ			
Model Number	P	Program: name of factory configured program.	Supply Voltage: 5=5vdc, 8-30=8 to 30 vdc	Output Circuit: leave blank for push/pull C=NPN open collector, DL=RS422 line driver, DH=7272 line driver	Modification Number: 6-pin MS is standard M131=4-pin 12mm connector Call or see our website for other modifications.
Shaft Diameter: A=5/16", B=3/8", C=1/4"					
Shaft Style: leave blank for single ended D=double ended					
					Accessories: leave blank for no accessories. Call or see our website for more information.

Example: RSB-P64AJ/8-30 - 3/8" single ended shaft, programmable model factory configured with the 64AJ program, 8-30 vdc, push/pull output, no modification or accessories



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