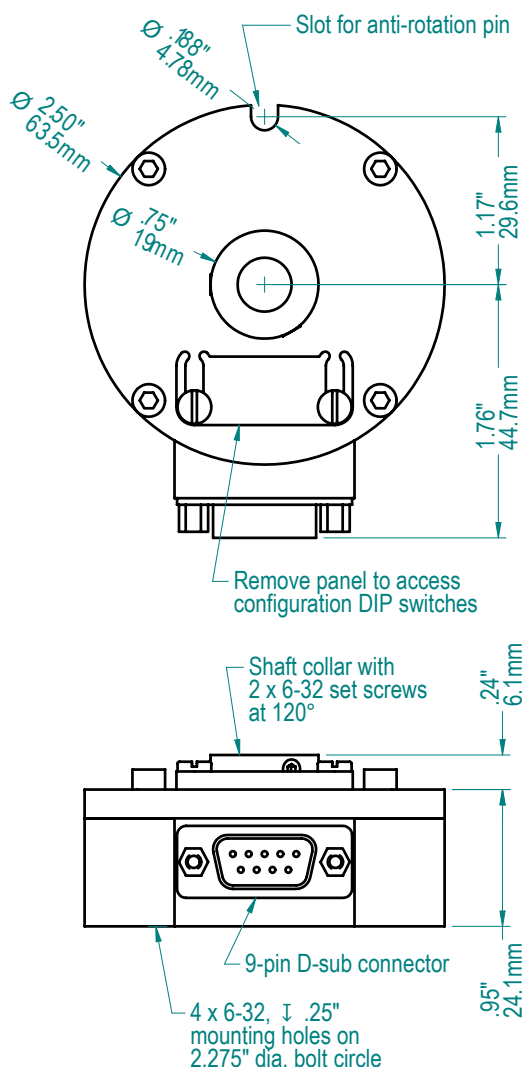


Programmable Hollow Shaft Encoder

SPECIFICATIONS

- DIP switch selectable pulses per revolution
- Pulse output with Anti-Jitter feature
- Direction of rotation on output B
- CE and RoHS compliant available
- ESD and short circuit protection
- 5 vdc and 8 to 30 vdc supply voltages
- 9-pin D-Sub or 4-pin M12 connector
- Non-programmable models available - see HS25

(shown with 3/8" shaft bore and 9-pin D-sub connector)



Electrical

Supply Voltages: (specify when ordering)

5 ± 5% VDC or 8-30 VDC

Current: 50 mA max (no load)

- Pulse Rate:** 0 - 30 kHz

A flexible mounting bracket is required.

Operating Temperature: 0° to 70° C

Output Circuit: (specify when ordering)

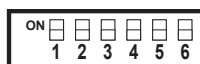
Output voltage level is approximately the same as the input voltage level.

- Single Ended:

— 7273 open collector (30vdc/50mA max)

— 7272 Push/Pull (50mA max source/sink)

Switch definitions:



- ☐ Up (off)
☒ Down (on)

Pulses per Revolution Selection

1	2	3	4	5	6	1	2	3	4	5	6	1	2	3	4	5	6
1	□	□	□	□	□	22	□	□	□	□	□	43	□	□	□	□	□
2	□	□	□	□	■	23	□	□	□	□	■	44	□	□	□	□	■
3	□	□	□	□	■	24	□	□	□	□	■	45	□	□	□	□	■
4	□	□	□	□	■	25	□	□	□	□	■	46	□	□	□	□	■
5	□	□	□	□	■	26	□	□	□	□	■	47	□	□	□	□	■
6	□	□	□	□	■	27	□	□	□	□	■	48	□	□	□	□	■
7	□	□	□	□	■	28	□	□	□	□	■	49	□	□	□	□	■
8	□	□	□	□	■	29	□	□	□	□	■	50	□	□	□	□	■
9	□	□	□	□	■	30	□	□	□	□	■	51	□	□	□	□	■
10	□	□	□	□	■	31	□	□	□	□	■	52	□	□	□	□	■
11	□	□	□	□	■	32	□	□	□	□	■	53	□	□	□	□	■
12	□	□	□	□	■	33	□	□	□	□	■	54	□	□	□	□	■
13	□	□	□	□	■	34	□	□	□	□	■	55	□	□	□	□	■
14	□	□	□	□	■	35	□	□	□	□	■	56	□	□	□	□	■
15	□	□	□	□	■	36	□	□	□	□	■	57	□	□	□	□	■
16	□	□	□	□	■	37	□	□	□	□	■	58	□	□	□	□	■
17	□	□	□	□	■	38	□	□	□	□	■	59	□	□	□	□	■
18	□	□	□	□	■	39	□	□	□	□	■	60	□	□	□	□	■
19	□	□	□	□	■	40	□	□	□	□	■	61	□	□	□	□	■
20	□	□	□	□	■	41	□	□	□	□	■	62	□	□	□	□	■
21	□	□	□	□	■	42	□	□	□	□	■	63	□	□	□	□	■
												64	□	□	□	□	■

Electrical Connections

Single Ended Outputs:

9-pin D-sub	4-pin M12	Wire	
Pin No.	Pin No.	Function	Color
1	3	Common	Black
2	1	+vdc	Red
3	4	Output A	White
4	2	Output B	Green
5-9		not used	-

Differential Line Driver Outputs:

9-pin D-sub Pin No.	Function	Wire Color
1	Common	Black
2	+vdc	Red
3	Output +A	White
4	Output +B	Green
6	Output -A	Blue
7	Output -B	Brown
5, 8, 9	not used	-

MODEL NUMBER

HS25	Model Number
Shaft Bore: A=5/16", B=3/8", C=1/4", .188=3/16", M6=6mm, M8=8mm, M10=10mm	
P	P=Programmable model
64AJB	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, DH= 7272 line driver DL=RS422 line driver	
Connector: leave blank for 9-pin D-Sub, S3=4-pin M12 connector	
Modification Number: optional modification or special feature ID. Call or see our website.	
Accessories: leave blank for no accessories. Call or see our website for more information.	

Example: **HS25B-P64AJB/8-30** - 3/8" shaft bore, programmable model factory configured with the 64AJB program, 8-30 vdc, push/pull output, 9-pin D-Sub connector

070-0357, Rev. 2



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PO Box 25135 813-886-4000
Tampa FL 33622-5135, USA 800-237-0946
ttco.com • photocraftencoders.com