

INCREMENTAL HOLLOW SHAFT ENCODER

AINH 100

- Heavy duty hollow shaft encoder
- Hollow shaft 40-65 mm
- 25000 PPR Maximum
- 4.75 to 30 Volts, RS 422 Compatible
- 300 kHz Maximum Frequency
- Possibility of double or triple mounting with incremental, absolute or tacho encoders
- Short circuit protection



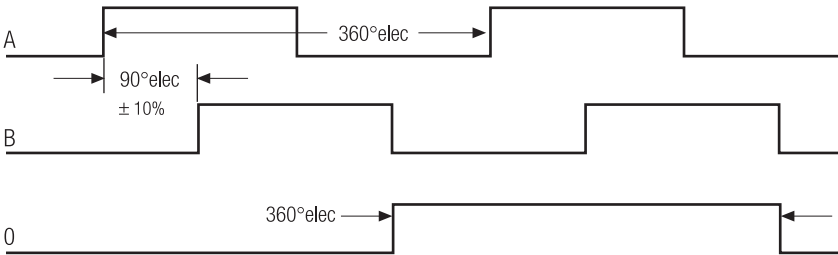
Electrical Specifications

Supply Voltage	4.75-30 V DC
Current Consumption	40 mA (max.)
Output Circuit	Push-Pull, RS 422A
Impulse Frequency	300 kHz (max.)
Logic Level (high)	Vcc - 0.7 Volt
Logic Level (low)	0.25 Volt (max.)

Mechanical Specifications

Cover	Aluminium
Body	Aluminium
Hollow shaft	Stainless steel
Speed	4000 RPM (max.)
Torque	> 0.2 Nm
Loading	Axial 60 N, Radial 80 N
Protection	IP 54
Temperature	-20° . . . +70° C +100° C Optional
Weight	570 g

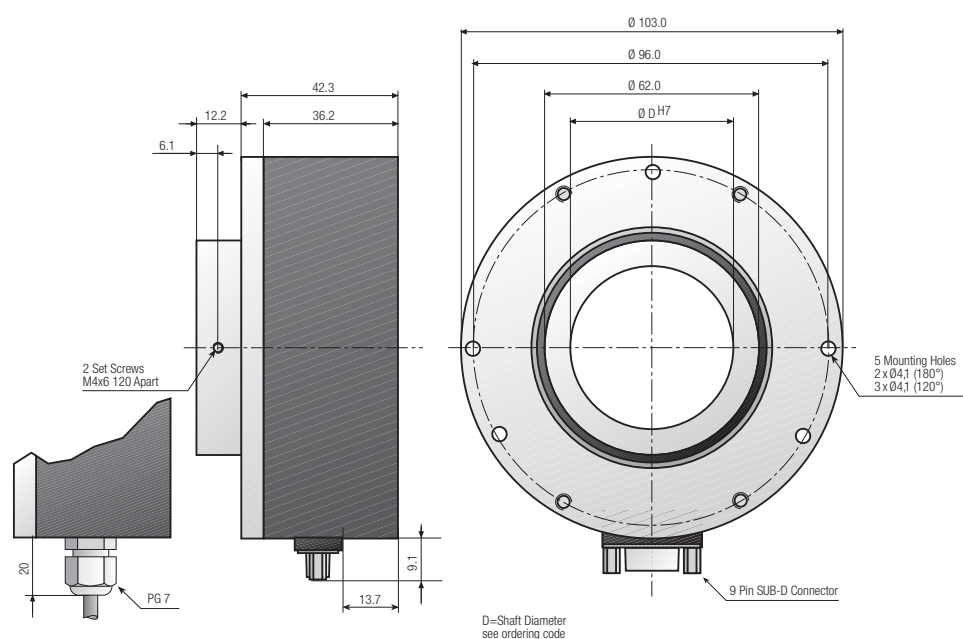
Output Signals



A Leads B in the CW Direction (facing shaft)
Complimentary channel also available

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Connections

Function	Cable Colour Code	9 Pin Connector	12 Pin Connector
0 Volt	white	1	1
+ Volt	brown	2	2
A	green	3	3
B	yellow	4	4
0	grey	5	5
$\overline{A}$	pink	6	6
$\overline{B}$	blue	7	7
$\overline{0}$	red	8	8

ORDERING CODE

AINH 100	Shaft Size D 26 = 26 mm 38 = 38 mm 44 = 44 mm	Output Circuit A7 = Push Pull 4.75 to 30 VDC A2 = Line Driver 5 V DC, RS 422	Output Signals 9 = A+B+0 +Compliments	Connection 3R = shielded cable, 2 m, radial output 6R = 12 pin connector, radial output, cw 9R = 9 pin Sub D connector, radial output	Resolution
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