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IH 950

INCREMENTAL
HOLLOW SHAFT ENCODER

- Heavy Duty Construction
- Shaft Mounted
- Range of shaft bores 5/8" to 1.125" (14 - 30 mm)
- 25000 PPR Maximum
- 4.75 to 30 Volts, RS 422 Compatible
- 300 kHz Maximum Frequency



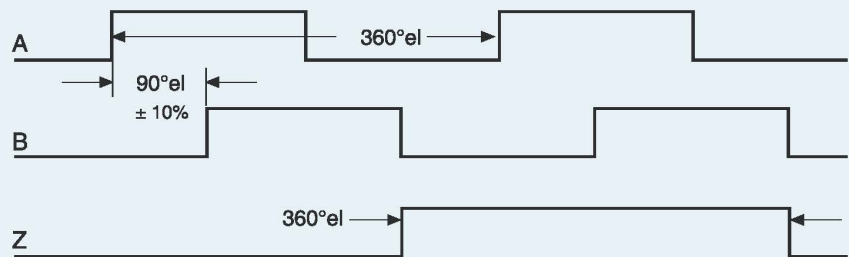
ELECTRICAL SPECIFICATIONS

Supply Voltage	4.75-30Vdc
Current Consumption	max. 40 mA
Output Circuit	Push-Pull, RS 422A
Impulse Frequency	300 kHz (max)
Signal Level (high)	Vcc - 0.7 Volt
Signal Level (low)	0.3 Volt (max)
Short Circuit Protection	100%

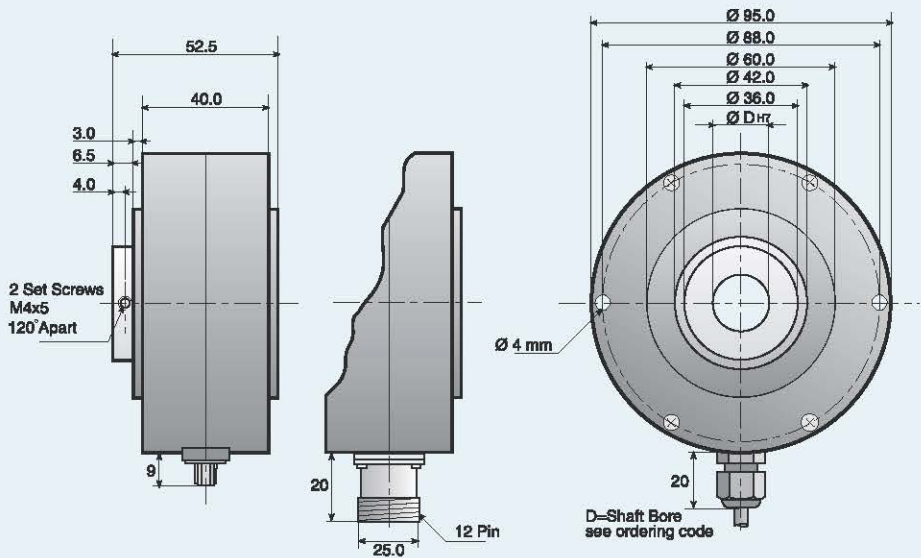
MECHANICAL SPECIFICATIONS

Cover	Aluminum
Body	Aluminum
Shaft	Stainless Steel
Speed	6000 RPM Max.
Torque	> 0.04 Nm
Loading	Axial 50 N, Radial 30 N
Protection	IP 65
Temperature	-20°...+70° C (-4°...+158° F) +100° C (+212° F) Optional
Weight	1.254 lb (570 g)

OUTPUT SIGNALS



A leads B in the Clockwise Direction (facing shaft set screw side)
Complimentary Signals are also available



ORDERING CODE

IH 950 - -

a b c d e f g h Pulses Per Revolution

a Group Function
IH=Incremental Hollow Shaft

b Basic Series Number
950

c Shaft Size
AE=5/8", AL=1", AM=1.125"
12=12 mm, 26=26 mm

d Mechanical Options
0=None, 5=Shaft Seals

e Connection Type
0=6' (2Mtr) Cable, 6=9 Pin Sub-D
7=12 Pin, 9=10 Pin CR3102E18-1P

f Connection Location
R=Radial

g Output Signals
3=A+B+Z
6=A+B+Z+Complimentary

h Output Circuit Type
1=Push-Pull 5 Vdc
3=Push-Pull 4,75 to 30 Vdc
5=Push-Pull 8 to 30 Vdc
*B=High Current L/D 5 to 24 Vdc
D=4469 Line Driver 5 to 15 Vdc
*(100mA Per Channel - Logic 0 (low) = 0.7Vdc)

Notes:
Special functions and designs will be designated by a 4 digit code at the end of the part number. Consult factory for further details
Resolution over 5000 PPR uses interpolation circuitry
Please specify supply voltage 5Vdc or 8 to 30Vdc

CONNECTIONS

Function	Cable Colour Code	9 Pin Connector	12 Pin Connector	10 Pin CR3102R18-1P
0 Volt	white	1	1	F
+ Volt	brown	2	2	D
A	green	3	3	A
B	yellow	4	4	B
Z	grey	5	5	C
$\bar{A}$	pink	6	6	H
$\bar{B}$	blue	7	7	I
$\bar{Z}$	red	8	8	J