

AH 950

ABSOLUTE HOLLOW SHAFT ENCODER

Industry Standard Size 25
Syncro Flange Mounting
Up to 13 Bits (8192) Maximum
5 Volt TTL or 8 to 30 Volts
Gray Code or Binary Code



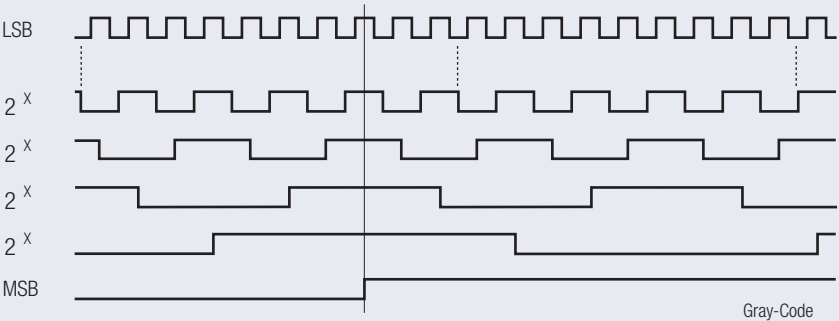
ELECTRICAL SPECIFICATIONS

Supply Voltage	5 Volt or 8 to 30 V DC
Current Consumption	100 mA (max)
Output Circuit	Push-Pull, RS 422A
Impulse Frequency	200 kHz (max)
Logic Level (high)	Vcc - 0.7 Volt
Logic Level (low)	0.25 Volt (max)
Short Circuit Protection	100 %

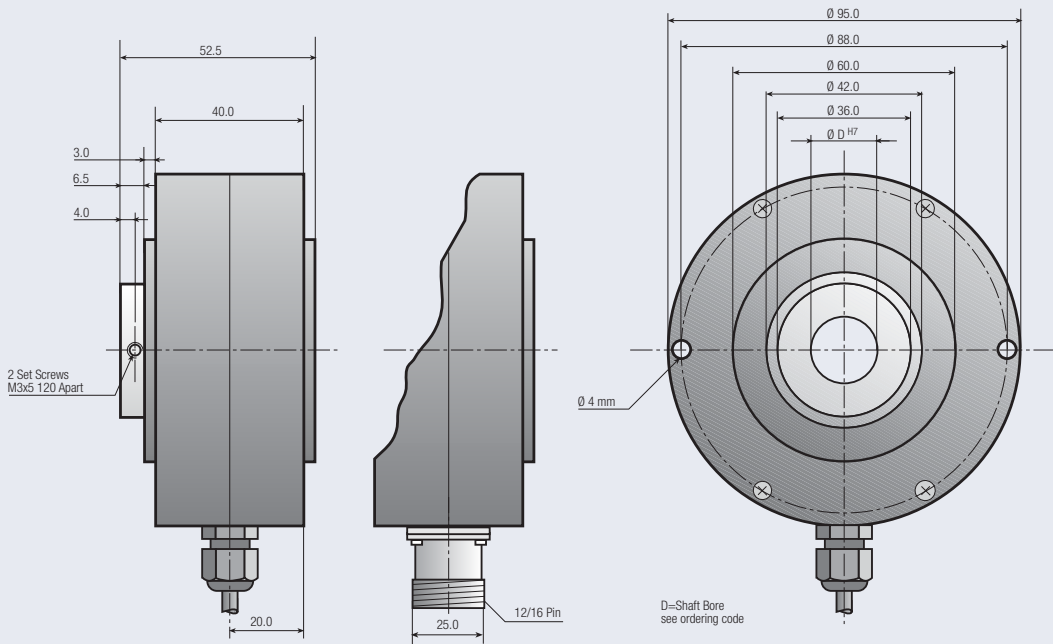
MECHANICAL SPECIFICATIONS

Cover	Aluminium
Body	Aluminium
Shaft	Stainless Steel
Speed	6000 RPM (max)
Torque	> 0.05 Nm
Loading	Axial 40 N, Radial 30 N
Protection	IP 65
Temperature	-20°...+70° C (-4°...+158° F) +100° C (+212° F) Optional
Weight	0.7 lb (320 g)

OUTPUT SIGNALS



Drawing available as:
dxf, iges, step, sld file



ORDERING CODE

AH	950	-								-					
a	b		c	d	e	f	g	h			Increments Per Revolution				

a Group Function AH=Absolute Hollow Shaft	e Connector Type 0=2 mtr. Cable 8=16Pin
b Basic Series Number 950	f Connector Location R=Radial
c Shaft Size D 12=12 mm 26=26 mm AE=5/8" AL=1"	g Output Signals E=Binary <-> F=Gray <->
d Mechanical Options 0=None	h Output Circuit Type 1=TTL (5 VDC) 5=Push Pull 8 to 30 VDC

Note: Special functions and designs will be designated by a 4 digit code at the end of the part number. Consult factory for further details

CONNECTIONS

Function	16 Pin Connector	Cable Colour Code	Function	16 Pin Connector	Cable Colour Code
0 Volt	1	white	2 ⁷	9	black
+ Volt	2	brown	2 ⁸	10	violet
2 ⁰	3	green	2 ⁹	11	grey/pink
2 ¹	4	yellow	2 ¹⁰	12	red/blue
2 ²	5	grey	2 ¹¹	13	white/green
2 ³	6	pink	2 ¹²	14	brown/green
2 ⁴	7	blue	Reset	15	white/yellow
2 ⁵	8	red	<->	16	yellow/brown