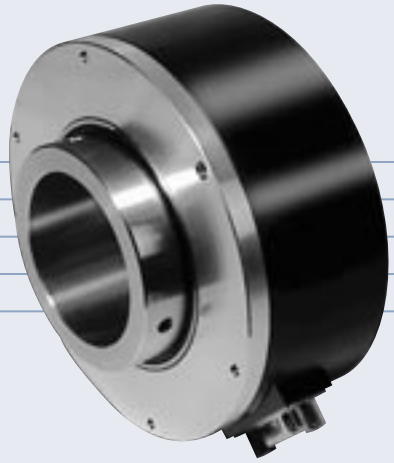
IH 103

INCREMENTAL HOLLOW SHAFT ENCODER

- Very Heavy Duty Construction
- Shaft Mounted
- Range of shaft bores (30 – 40 mm)
- 50000 PPR Maximum
- 4.75 to 30 Volts, RS 422 Compatible
- 300 kHz Maximum Frequency



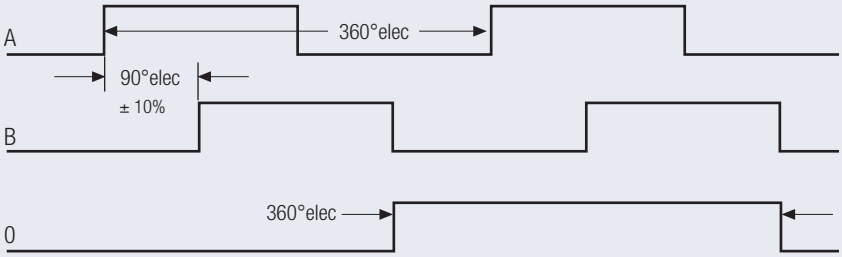
ELECTRICAL SPECIFICATIONS

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)
Short Circuit Protection	100 %

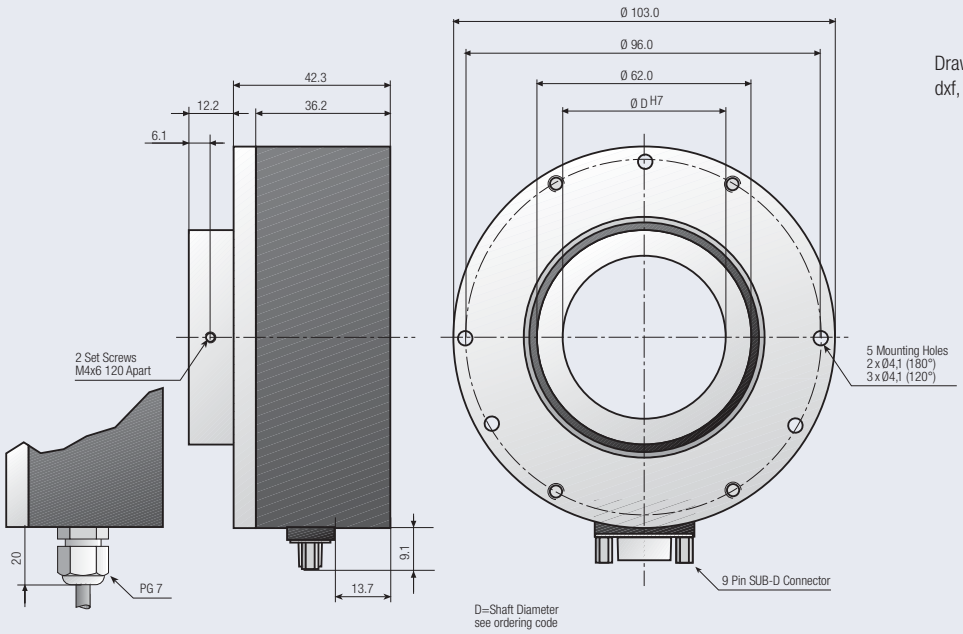
MECHANICAL SPECIFICATIONS

Cover	Aluminium
Body	Aluminium
Shaft	Stainless Steel
Speed	6000 RPM (max)
Torque	> 0.2 Nm
Loading	Axial 60 N, Radial 80 N
Protection	IP 65
Temperature	-20˚...+70˚ C (-4˚...+158˚ F)
	+100˚ C (+212˚ F) Optional
Weight	1.584 lb (720 g)

OUTPUT SIGNALS



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



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

ORDERING CODE

IH	103	-							-					
a	b		c	d	e	f	g	h		Pulses Per Revolution				

a **Group Function**
IH=Incremental Hollow Shaft

b **Basic Series Number**
103

c **Shaft Size D**
26=26 mm 44=44mm
AQ=1.5" AR=1.625"

d **Mechanical Options**
0=None

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

e Connector Type
0=2 mtr. (6ft.) Cable
6=9 Pin Sub D 7=12 Pin

f **Connector Location**
R=Radial

g **Output Signals**
3=A+B+0
6=A+B+0+Compliments

h **Output Circuit Type**
3=Push Pull 4.75 to 30 VDC

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
$\bar{A}$	pink	6	6
$\bar{B}$	blue	7	7
$\bar{0}$	red	8	8