IH 580

INCREMENTAL
HOLLOW SHAFT ENCODER

- Compact Design
- Shaft Mounted
- Range of shaft bores 1/4" to 1/2" (06 - 12 mm)
- 2500 PPR Maximum
- 4.75 to 30 Volts, RS 422 Compatible
- 200 kHz Maximum Frequency



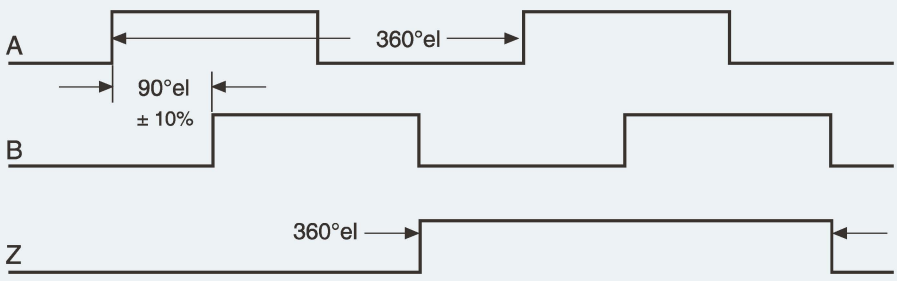
ELECTRICAL SPECIFICATIONS

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%

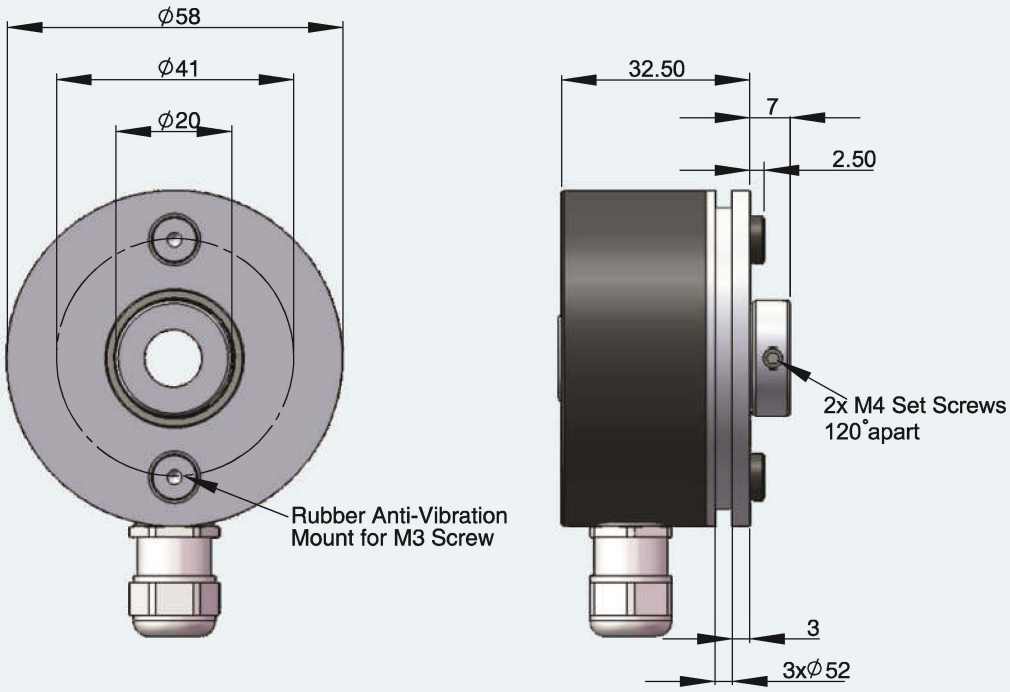
MECHANICAL SPECIFICATIONS

Cover	Aluminum
Body	Aluminum
Shaft	Stainless Steel
Speed	6000 RPM Max.
Torque	> 0.04 Nm
Loading	Axial 15 N, Radial 20 N
Protection	IP 65
Temperature	-20º...+70º C (-4º...+158º F)
	+100º C (+212º F) Optional
Weight	0.55 lb (250 g)

OUTPUT SIGNALS



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



ORDERING CODE

IH	580	-								-					
a	b		c	d	e	f	g	h			Pulses Per Revolution				

a **Group Function** IH=Incremental Hollow Shaft	e **Connection Type** 0=6' (2Mtr) Cable
b **Basic Series Number** 580	f **Connection Location** R=Radial
c **Shaft Size** AA=1/4", AB=3/8", AC=1/2" 06=06 mm, 12=12 mm	g **Output Signals** 3=A+B+Z 6=A+B+Z+/A+/B+/Z
d **Mechanical Options** 0=None	h **Output Circuit Type** 3=Push-Pull 4,75 to 30 Vdc

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

CONNECTIONS

Function	Cable Colour Code
0 Volt	white
+ Volt	brown
A	green
B	yellow
Z	grey
$\bar{A}$	pink
$\bar{B}$	blue
$\bar{Z}$	red

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