

IH 580

INCREMENTAL HOLLOW SHAFT ENCODER

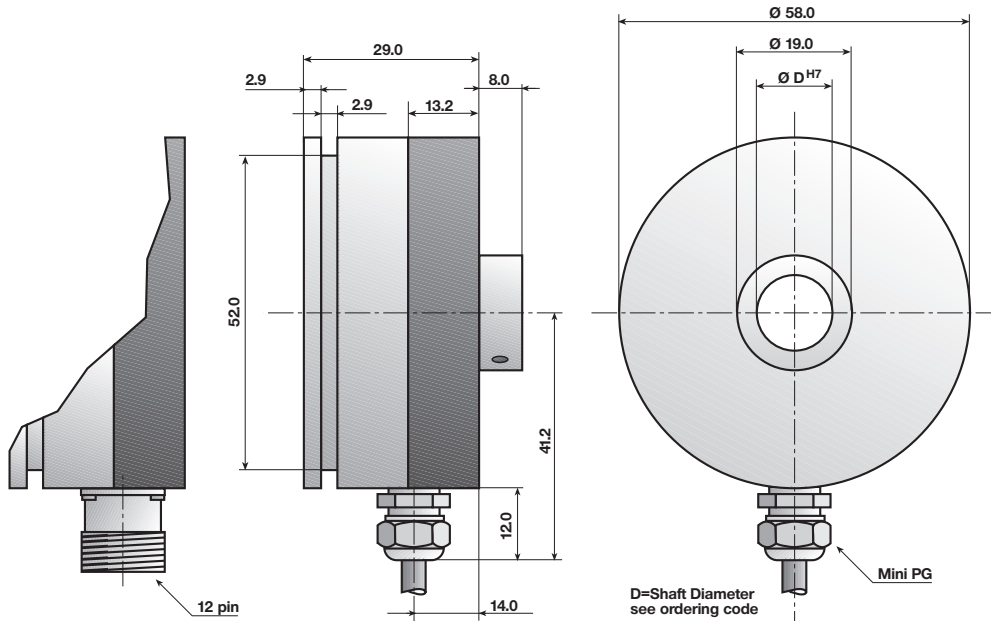
Industry Standard Size 25

Shaft Mounted

25.000 PPR Maximum

4.75 to 30 Volts, RS 422 Compatible

200 kHz Maximum Frequency

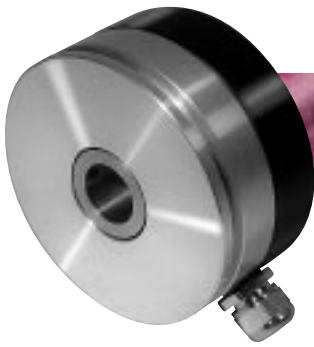


ELECTRICAL SPECIFICATIONS

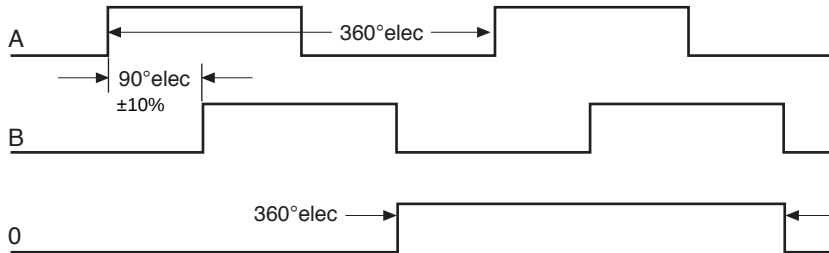
Supply Voltage	4.75-30 V DC
Current Consumption	40 mA Max
Output Circuit	Push-Pull, RS 422A
Impulse Frequency	200 kHz (max)
Logic Level (high)	Vcc - 0.7 Volt
Logic Level (low)	0.25 Volt (max)
Short Circuit Protection	100 %

MECHANICAL SPECIFICATIONS

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



OUTPUT SIGNALS



A Leads B in the CW Direction (facing shaft)
Complimentary channel 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 Connector Type 0=2 mtr. Cable 7=12 Pin
b Basic Series Number 580	f Connector Location R=Radial
c Shaft Size D 06=6 mm 10=10 mm 12=12mm AB=3/8" AC=1/2"	g Output Signals 3=A+B+0 6=A+B+0+Compliments
d Mechanical Options 0=None	h Output Circuit Type 3=Push Pull 4.75 to 30 VDC

Note: Special functions, designs or considerations will be designated by a 4 digit code at the end of the part number. This code begins with the letter "S" followed by a sequential number. This special code is assigned by the factory, which should be consulted for further details.

CONNECTIONS

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

