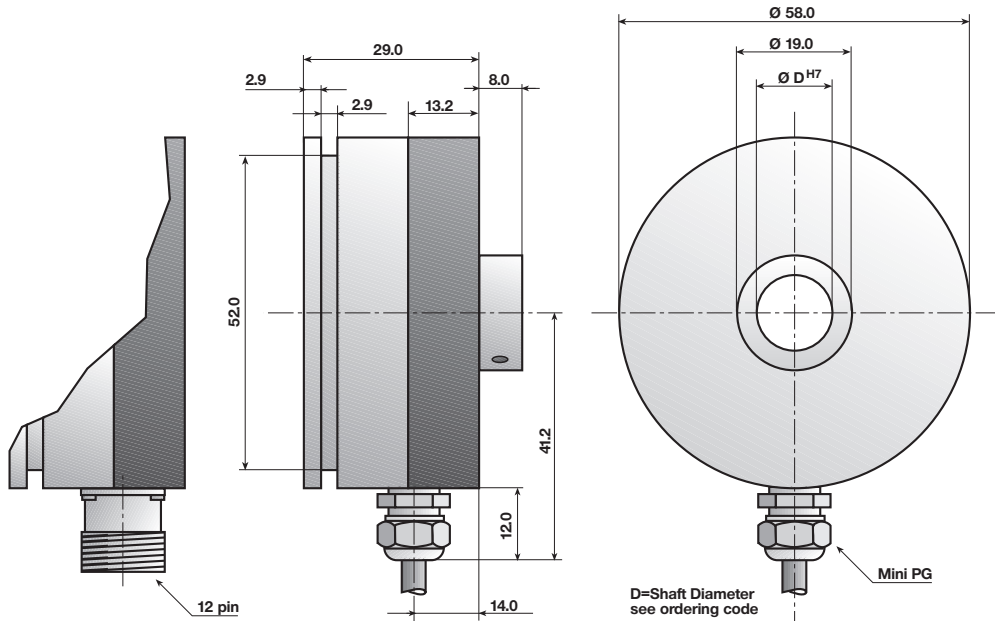


IH 580

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

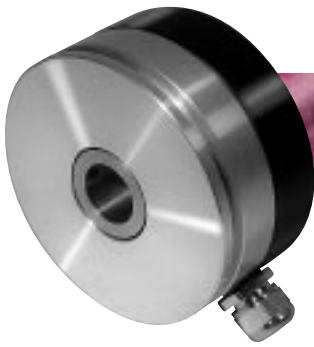


ELECTRICAL SPECIFICATIONS

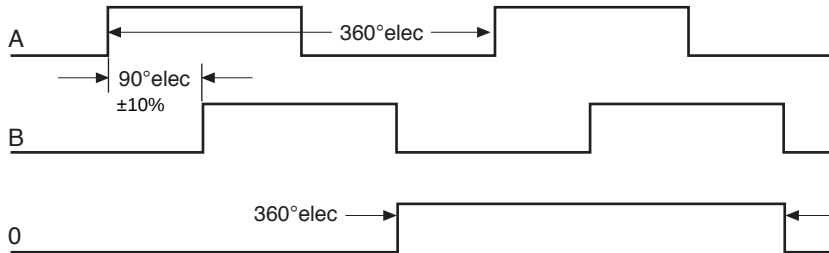
Supply Voltage 4.75-30 V DC
 Current Consumption 40 mA Max
 Output Circuit Push-Pull, RS 422A
 Impulse Frequency 200 kHz (max)
 Logic Level (high) Vcc - 0.7 Volt
 Logic Level (low) 0.25 Volt (max)
 Short Circuit Protection 100 %

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

