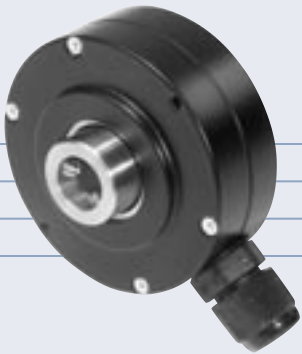


IH 581

INCREMENTAL HOLLOW SHAFT ENCODER

Industry Standard Size 25
Shaft Mounted
10000 PPR Maximum
4.75 to 30 Volts, RS 422 Compatible
200 kHz Maximum Frequency



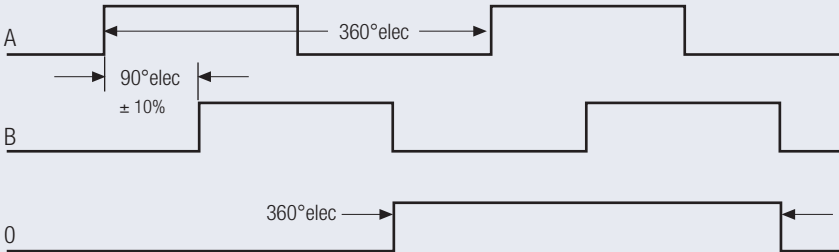
ELECTRICAL SPECIFICATIONS

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 %

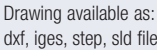
MECHANICAL SPECIFICATIONS

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 581 - -
a b c d e f g h Pulses Per Revolution

- #### h Output Circuit Type
- 3=Push Pull 4.75 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	Cable Colour Code	12 Pin Connector
0 Volt	white	1
+ Volt	brown	2
A	green	3
B	yellow	4
0	grey	5
$\bar{A}$	pink	6
$\bar{B}$	blue	7
$\bar{0}$	red	8