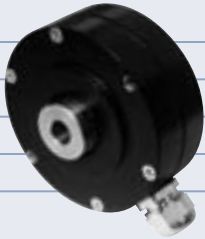


IH 490

INCREMENTAL HOLLOW SHAFT ENCODER

Compact Construction
Shaft Mounted
3600 PPR Maximum
4.75 to 30 Volts, RS 422 Compatible
100 kHz Maximum Frequency



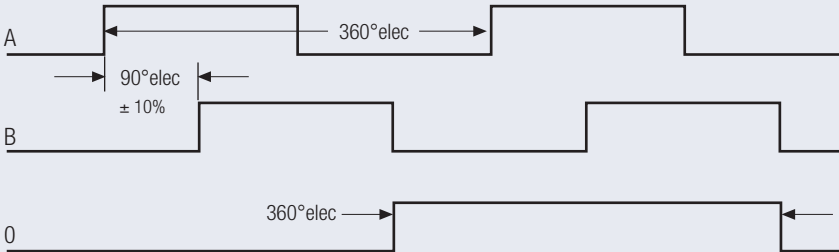
ELECTRICAL SPECIFICATIONS

Supply Voltage	4.75-30 V DC
Current Consumption	40 mA (max)
Output Circuit	Push-Pull, RS 422A
Impulse Frequency	100 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)
Weight	0.29 lb (130 g)

OUTPUT SIGNALS



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

Ø 49.0

Ø 45.0

Ø 30.0

Ø 17.0

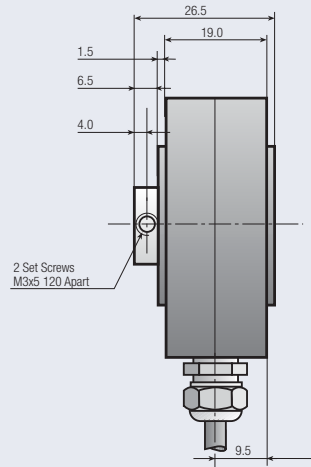
Ø 14.5

Ø D^{H7}

Ø 3 mm

Mini - PG

D=Shaft Diameter
see ordering code



ORDERING CODE

IH 490 - -
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
0 Volt	white
+ Volt	brown
A	green
B	yellow
0	grey
$\bar{A}$	pink
$\bar{B}$	blue
$\bar{0}$	red