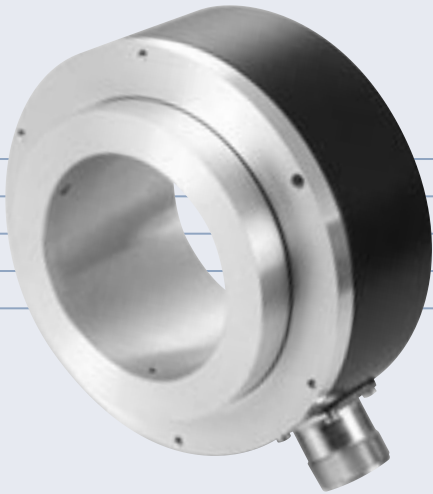


IH 120

INCREMENTAL HOLLOW SHAFT ENCODER

- Very Heavy Duty Construction
- Shaft Mounted
- Range of shaft bores (40 – 65 mm)
- 50000 PPR Maximum
- 4.75 to 30 Volts, RS 422 Compatible
- 300 kHz Maximum Frequency



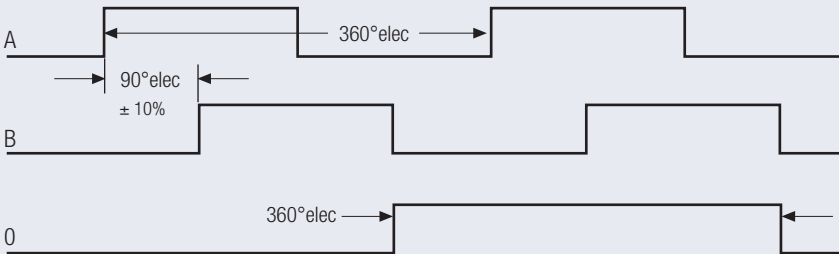
ELECTRICAL SPECIFICATIONS

Supply Voltage	4.75-30 V DC
Current Consumption	40 mA (max)
Output Circuit	Push-Pull, RS 422A
Impulse Frequency	300 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	4000 RPM (max)
Torque	> 0.2 Nm
Loading	Axial 60 N, Radial 80 N
Protection	IP 54
Temperature	-20°...+70° C (-4°...+158° F) +100° C (+212° F) Optional
Weight	1.584 lb (720 g)

OUTPUT SIGNALS



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

IH **120** - -

a b c d e f g h Pulses Per Revolution

- | | |
|---|--|
| a | Group Function
IH=Incremental Hollow Shaft |
| b | Basic Series Number
120 |
| c | Shaft Size D
65=65 mm (max)
AY=2.5" (max) |
| d | Mechanical Options
0=None |

e	Connector Type 0=2 mtr. (6ft.) Cable 6=9 Pin Sub D 7=12 Pin
f	Connector Location R=Radial
g	Output Signals 3=A+B+0 6=A+B+0+Compliments
h	Output Circuit Type 3=Push Pull 4.75 to 30 VDC

Function	Cable Colour Code	9 Pin Connector	12 Pin Connector
0 Volt	white	1	1
+ Volt	brown	2	2
A	green	3	3
B	yellow	4	4
0	grey	5	5
$\bar{A}$	pink	6	6
$\bar{B}$	blue	7	7
$\bar{0}$	red	8	8