

IP700

WASHDOWN PROOF
INCREMENTAL ENCODER

Heavy Duty Construction
Stainless Steel Housing
IP66/67 Protection
Up to 25000 Pulses Per Revolution
4,75 – 30 Volt, RS 422 Compatible



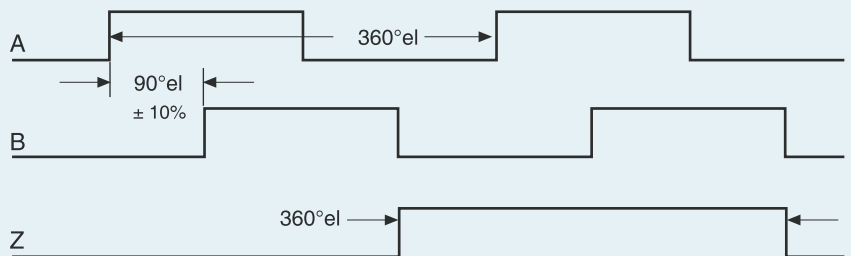
ELECTRICAL SPECIFICATIONS

Supply Voltage	4.75-30Vdc
Current Consumption	max. 40 mA
Output Circuit	Push-Pull, RS 422A
Impulse Frequency	300 kHz (max)
Signal Level (high)	Vcc - 0.7 Volt
Signal Level (low)	0.3 Volt (max)
Short Circuit Protection	100%
Screened Cable	Chemically Resistant Flame Retardant

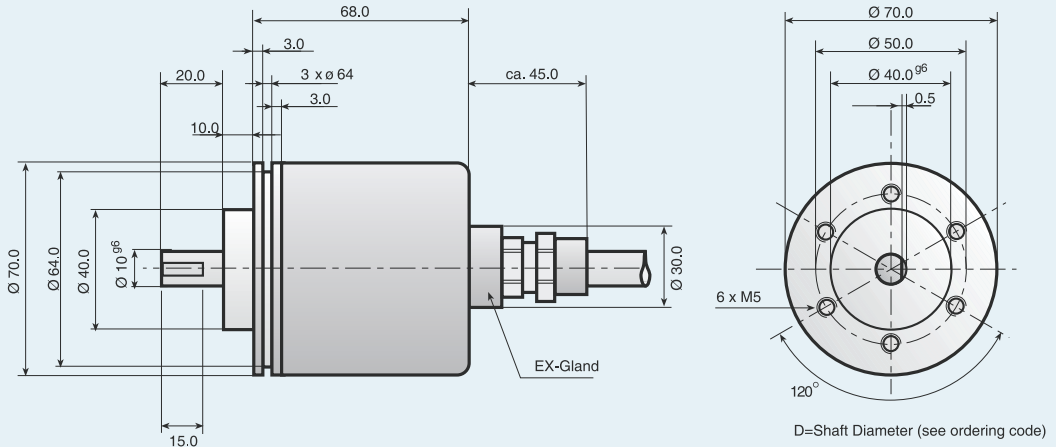
MECHANICAL SPECIFICATIONS

Cover	Stainless Steel
Bearing Housing	Stainless Steel
Shaft	Stainless Steel
Maximum RPM	6000 RPM (max)
Torque	> 0.4 Nm
Shaft Loading	Axial 60 N, Radial 50 N
Environmental Protection	IP66/67
Operating Temperature	-20°C to +70°C
Weight	1300 g (2.866 lbs)

OUTPUT SIGNALS



A leads B in the Clockwise Direction (facing shaft)
Complementary Signals are also available



ORDERING CODE

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a b c d e f g h Pulses Per Revolution

- a Group Function**
IP=Incremental Shaft Encoder
- b Basic Series Number**
IP700
- c Shaft Size**
10=10 mm
12=12 mm
- d Mechanical Options**
0=None, Y=Blind Hole Hollow Shaft

- e Connection Type**
0=2 m (6') Cable
- f Connection Location**
A=Axial
- g Output Signals**
3=A+B+Z
6=A+B+Z+Complementary
- h Output Circuit Type**
3=Push-Pull 4,75 to 30 Vdc

Notes:
 Special functions and designs will be designated by a 4 digit code at the end of the part number. Consult factory for further details
 Resolution over 5000 PPR uses interpolation circuitry
 Please specify supply voltage 5Vdc or 8 to 30Vdc

CONNECTIONS

Function	Cable Colour Code	Cable Number Code
GND	WHITE	1
+ Vcc	BROWN	2
A	GREEN	3
B	YELLOW	4
Z	GREY	5
\bar{A}	PINK	6
\bar{B}	BLUE	7
\bar{Z}	RED	8