

# IS 581

INCREMENTAL SHAFT ENCODER

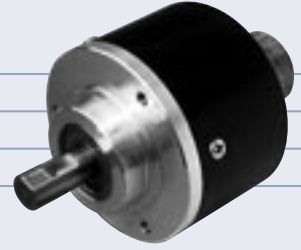
Industry Standard Size 25

IP65 Protection

25000 PPR Maximum

4.75 to 30 Volts, RS 422 Compatible

300 kHz Maximum Frequency



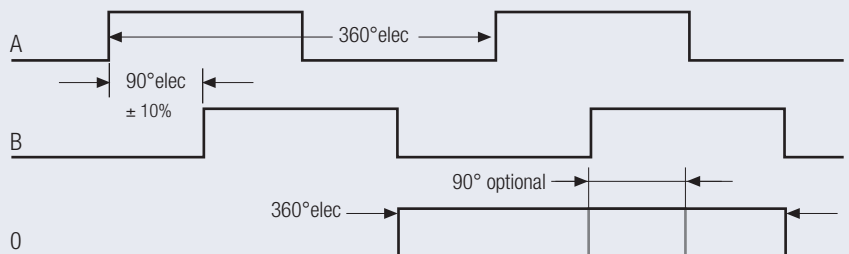
## ELECTRICAL SPECIFICATIONS

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	8000 RPM (max)
Torque	> 0.05 Nm
Loading	Axial 40 N, Radial 30 N
Protection	IP 65
Temperature	-20°...+70° C (-4°...+158° F) +100° C (+212° F) Optional
Weight	0.74 lb (320 g)

## OUTPUT SIGNALS



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

Optional Gated Marker Pulse  
Gated with A+B Shown

