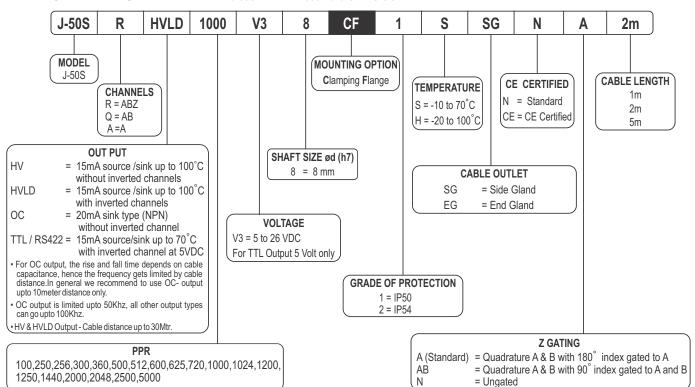




FEATURES

- Encoder designed for Induction motor feedback applications
- Robust design less than 52 mm diameter size with gland and dicast covers
- Shatter proof polycarbonate disk
- · LED power compensated for aging and temperature
- · Robust ASIC based design
- · Robust electrical design capable of taking surge across supply voltage

ORDERING EXAMPLE - J-50S-R-HVLD-1000-V3-8-CF-1-S-SG-N-A-2m



Electrical Characteristics

	TTL / RS422	OC	HV	HVLD
Power Supply	4.85 5.25 VDC (Ripple Peak to Peak 5%)			
Power consumption [No Load]		40mA		
Permissible load / Channel	15mA	20mA	15mA	15mA
Pulse Frequency	100 kHz	50 kHz	100 kHz	100 kHz
Short circuit proof output	No	Yes	Yes	Yes
Reverse polarity protection of the power supply	Yes			
Sensing Method	Optical			
Surge protection as per IEC61000-4-5 500V	No	Yes	Yes	Yes
Duty Cycle	180° ± 18°			
A and B Phase shift	90° ± 36°			

ENCODER SOLID SHAFT J-50S



Mechanical characteristics

Shaft Load Capacity Radial 4kg, Axial 2kg

Max. Speed4500 RPMProtection IEC60529IP50, IP54Working temperature range-10...+70°C

-20...+100°C (IP50)

Material Shaft: stainless steel Grade 303

alternative Grade 304 Housing : Aluminum Cover : Cast Alloy

Weight Below 180 grams

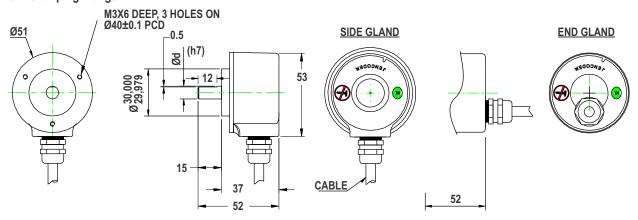
Environmental characteristics

Vibration Resistance 10G, 10---2000Hz as per IEC 60068-2-6, more possible contact factory **Shock Resistance** 100G, 6ms as per IEC 60068-2-27, more possible contact factory

Wiring Detail

Function		Wire color
	HV, OC	HVLD, TTL
+VDC	White	White
COMM	Black	Black
Α	Brown	Brown
Α¯		Yellow
В	Red	Red
B ⁻		Green
Z	Orange	Orange
Z ⁻		Blue
Shield	Bare	Bare

J-50S CF=Clamping Flange



All dimension are in mm with a tolerance of ±0.1 unless otherwise specified



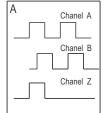


Fig 1 : Quadrature A & B with 180° Index gated to A

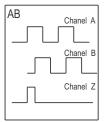


Fig 2 : Quadrature A & B with 90° Index gated to A & B

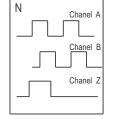


Fig 3 : Quadrature A & B with ungated Index



WORLD CLASS MANUFACTURING FACILITY

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