JAYASHREE ENCODERS

JENCODER™

THE PERFECT CODER

ISO 9001-2015

JENCODER SinCos J-53SC



iC-Haus inside

Made in India, Made for the World!

Engineered for the Elevator Industry

- **Easy to Installation & Interchangeability**
- **Rigid & Secure coupling**
- **Easy mounting with greater tolerance**
- **Advanced semiconductor technology powered by iC-Haus**

JENCODER – A Proven Encoder Brand in Elevators Since 1997

With decades of experience in encoder manufacturing and thousands of installations in elevator application, JENCODER is now introducing a 2048 PPR, 1 Vpp SinCos Encoder specifically developed for gearless machines.

SinCos encoders demand high precision in both electrical signal quality and mechanical accuracy. The new JENCODER solution combines carefully selected international components, precision manufacturing and in-house signal verification capability to deliver a reliable, elevator-focused solution.

I^2 LED Current Control for Stable & Consistent Signal Amplitude
Precision-Verified Lissajous Pattern for Optimum Signal Quality

Precision That Meets Global Standards
Advanced Multi-Axis Manufacturing
Proudly Engineered in India
Factory-Direct Support

ORDERING CODE:-

Model	Incremental Signa	PPR
J-53SC	1Vpp= ∿Sine-Cosine line count & 1PPR Commutation signal	2048
Type:- J-53SC-1Vpp-2048		

SPECIFICATIONS:-

ELECTRICAL	
SUPPLY VOLTAGE	5 VDC ±5%
SIN/COS O/P DIFF. SIGNAL	1Vpp±0.2
NO LOAD CURRENT	< 130mA
RESPONCE FREQUENCY	0-50KHz
CONNECTOR TYPE	CONNECTOR 14 PIN ON PCB
OUTPUT CHANNEL	A,B,Z,C,D,$\bar{A}$,$\bar{B}$,$\bar{Z}$,$\bar{C}$,$\bar{D}$
SHIELDING	Must use shielded twisted pair cable shield grounded at the encoder housing

MECHANICAL	
MOUNTING OPTION	Rigid & Secure coupling
SHAFT ød	9.25 TAPER 1:10 CONICAL
MAX. SHAFT SPEED	2000RPM
WEIGHT	0.3kg
LOAD CAPACITY	AXIAL/RADIAL LOAD 10N

JAYASHREE ENCODERS

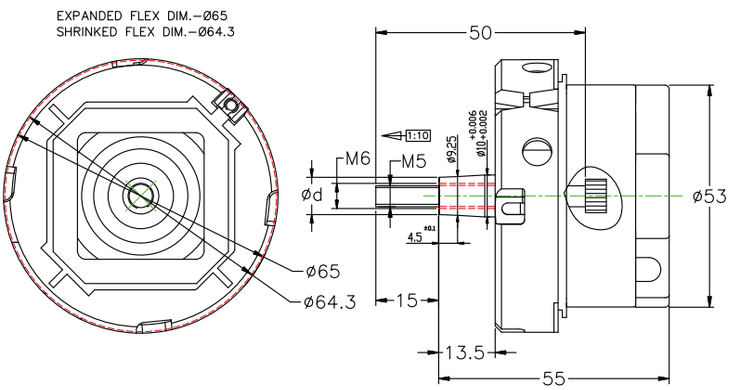
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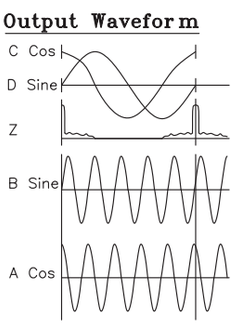
ISO 9001-2015

ENVIRONMENTAL	
SHOCK	6ms As Per IEC 60068-2-27
VIBRATION	10g,(10-2000Hz) As per IEC 60068-2-6
PROTECTION CLASS	IP-40
OPERATING TEMPERATURE	-20 TO 100^0C
HUMIDITY	UP TO 95% (non-condensing)

DIMENTIONAL DRAWING:-



OUTPUT WAVEFORM:



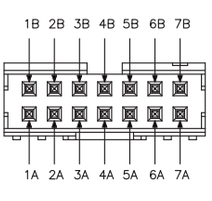


Verified SinCos Signal Quality Through Lissajous Pattern Analysis

WIRING DETAILS:-

PIN	6B	2A	3A	5A	4B	4A	1B	5B	7B	1A	2B	6A
FUNCTION	A+	$\overline{A}$	B+	$\overline{B}$	Z+	$\overline{Z}$	+VDC	GND	C+	$\overline{C}$	D+	$\overline{D}$

14 PIN MALE CONN. VIEW





WORLD CLASS MANUFACTURING FACILITY

JAYASHREE ENCODERS PVT. LTD.

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