



SANSHENG
SENSOR



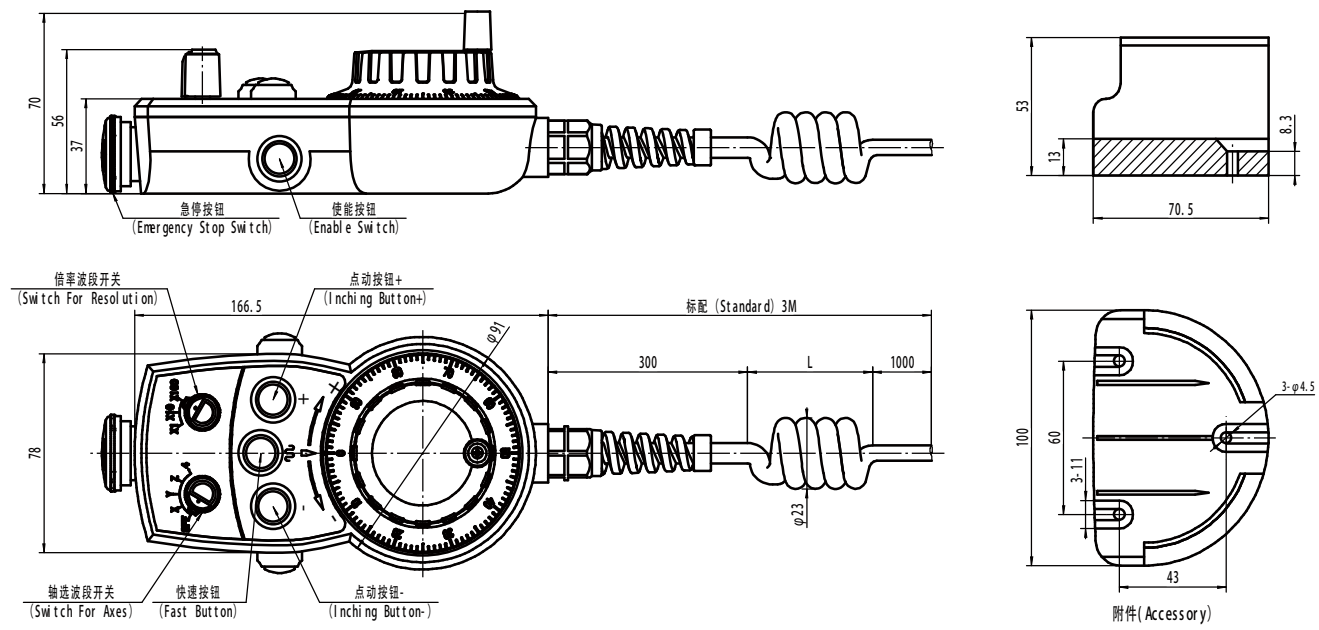
Product Selection Guide

SSG Applications & Features

With machine tool inching function.
All-plastic housing, anti-oil, sealed.
Emergency stop switch and reset switch optional.
Housing with hook and pendant carrier.
Widely applied in CNC machine tools.



Mechanical Drawing



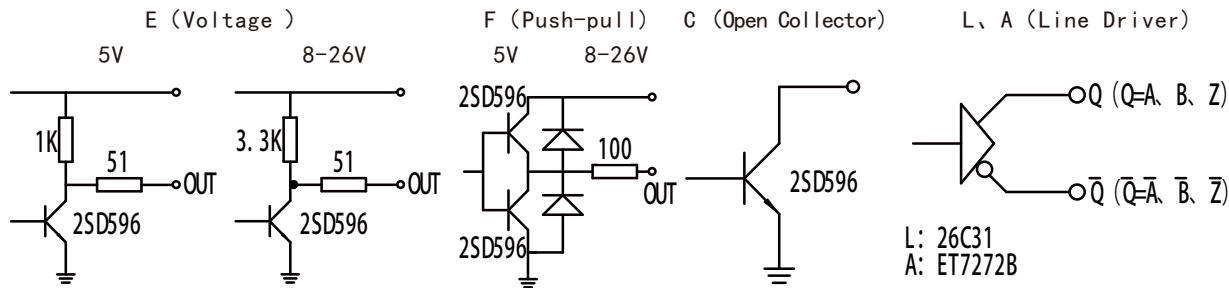
Electrical Specifications

Output Circuit	Supply Voltage DC (V)	Current Requirement (mA)	Output Voltage (V)		Rise Time (ns)	Fall Time (ns)	Frequency Response (kHz)
			V _H	V _L			
E (Voltage)	5±0.25	≤60	≥3.5	≤0.5	≤500	≤100	0~100
	8~26		≥V _{CC} -2.5	≤0.5	≤1500	≤300	
C (Open Collector)	5±0.25	≤60					0~100
	8~26						
L (Line driver)	5±0.25	≤100	≥2.5	≤0.5	≤200	≤200	0~100
A (Wide Voltage Line Driver)	8~26	≤80	≥V _{CC} -2.5	≤0.8	≤800	≤200	0~100
F (Push Pull)	5±0.25	≤60	≥3.5	≤0.8	≤300	≤200	0~100
	8~26		≥V _{CC} -2.5	≤1.0	≤500	≤200	

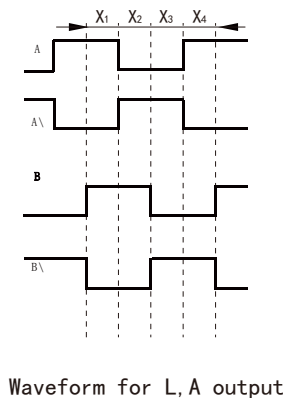
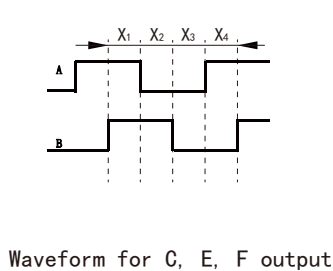
Enviromental Specifications

Max. Speed	600r/min
Operating Temp.	-10~+60℃
Store Temp.	-20~+70℃
Size	166.5*78*70mm
Weight	Approx. 0.745kg

Output Circuits



Output Waveform



Wave Ratio : $X1+X2=0.5T\pm0.1T$
 $X2+X3=0.5T\pm0.1T$

Phase Different : $Xn\geq0.125T$ ($n=1, 2, 3, 4$)

Absolute Angle Error: $\leq0.2T$

Cycle Error : $\leq0.05T$

$T=360^\circ / N$ (N =lines count per revolution)

Electrical Connections

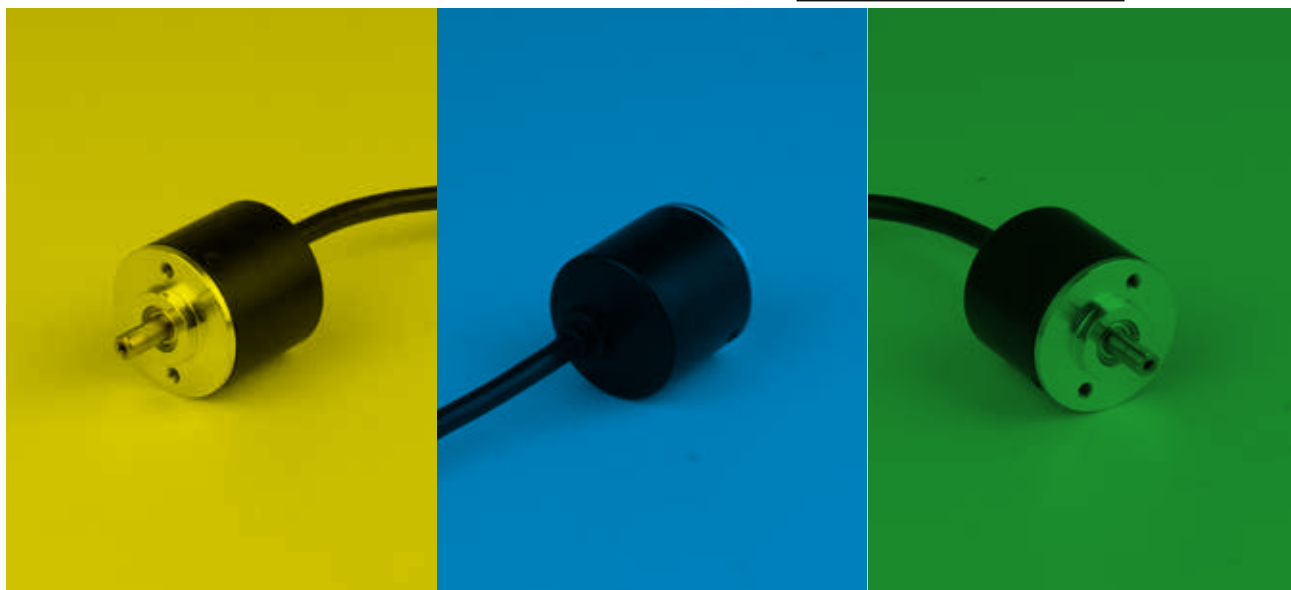
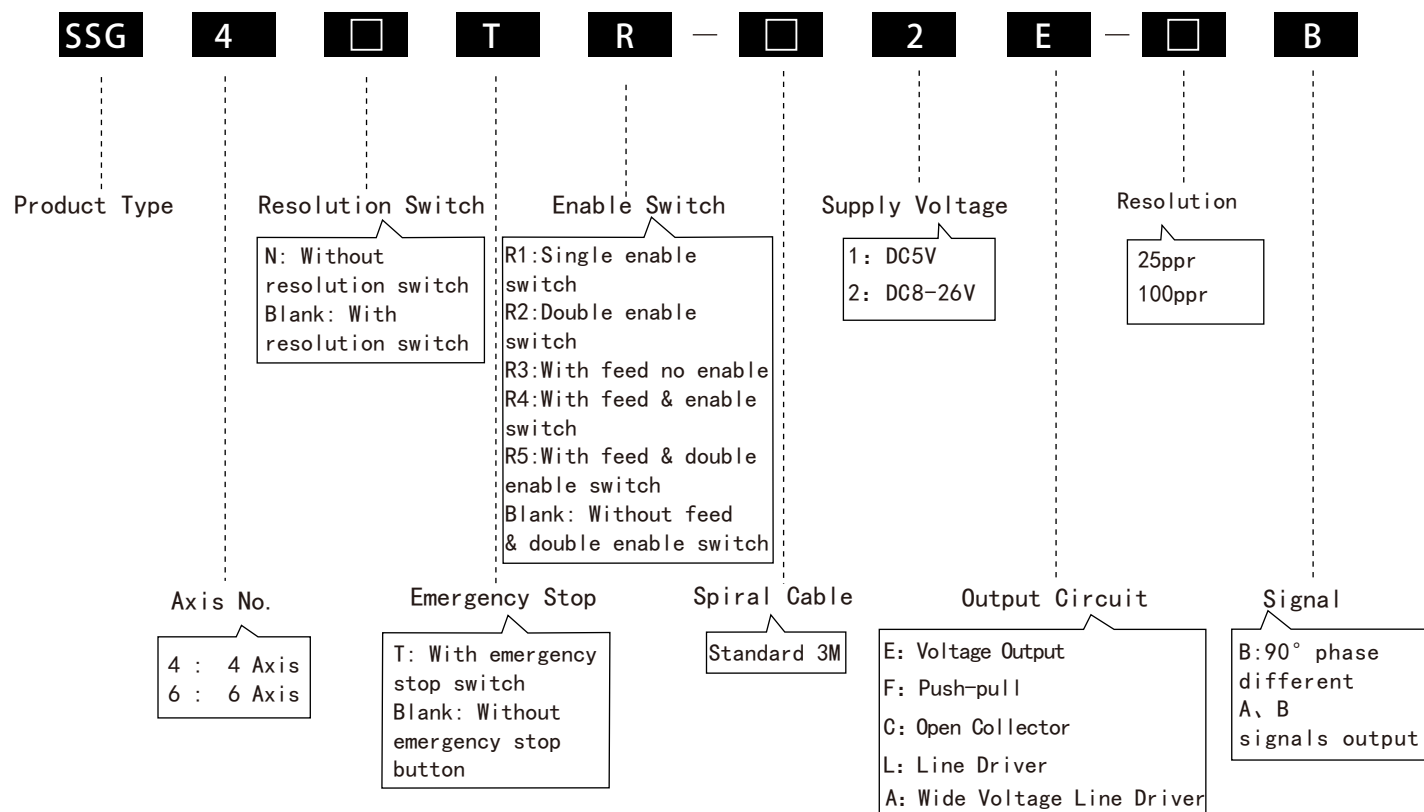
21 Pins Cable Wire, 4 Axis with Emergency Stop Button

Cable Color	YL	WH	BK	RD	LBU	GY	GY/BK	WH/BK	GN	OG	BN	BN/BK	YL/BK	OG/BK	GN/BK	PL/BK	RD/BK	BU/BK	PK/BK	PK	PL
L	A	B	OV	VCC	COM	X1	X10	X100	X	Y	Z	4	K1	K2	K3	K4	COM1	COM2	COM3	A/	B/
E	A	B	OV	VCC	COM	X1	X10	X100	X	Y	Z	4	K1	K2	K3	K4	COM1	COM2	COM3	/	/

24 Pins Cable Wire, 6 Axis with Emergency Stop Button

Cable Color	CR	CR/WH	WH/BK	GN	OG	BN	DBU	GY	WH/GY	WH/YL	WH/OG	WH/GN	WH/PL	LBU	WH/RD	WH/BU	WH/PK	RD	BK	YL	WH	PK	PL
L	X1	X10	X100	X	Y	Z	4	5	6	K1	K2	K3	K4	COM	COM1	COM2	COM3	VCC	OV	A	B	A/	B/
E	X1	X10	X100	X	Y	Z	4	5	6	K1	K2	K3	K4	COM	COM1	COM2	COM3	VCC	OV	A	B	/	/

Order Information



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