

SSR30D4 - Solid Shaft Rotary Encoder



Features:

- (1) Small volume, weigh light, convenient installation.
- (2) Miniaturization, suitable for minitype equipment or precision operating condition with limited space

Solid Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	10, 20, 30 ,40 ,50 ,60 ,70 ,80, 90 ,100, 200, 300, 360 ,400, 500, 600 ,720 According to customer requirements
Power Supply	DC8-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	4mm. (Other sizes can be customized)
Shaft loading	Axial:15N Radial:30N
Starting torque	≤15g.cm(+25°C)
MAX.SPEED	6000rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤0.15kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-85%RH
Storage Temp	-30°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SSR38D6 - Solid Shaft Rotary Encoder



Features:

- (1) Small volume, weigh light, convenient installation.
- (2) Miniaturization, suitable for minitype equipment or precision operating condition with limited space

Solid Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	100,120,200,256,300,400,500,512,600,720,900,1000,1024,1152,1200,1500,1800,2000,2048,2500,3600 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	6mm (Other sizes can be customized)
Shaft loading	Axial:20N Radial:30N
Starting torque	≤15g.cm(+25°C)
MAX.SPEED	6000rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤0.2kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-85%RH
Storage Temp	-40°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SSR40D6 - Solid Shaft Rotary Encoder



Features:

- (1) Small volume, weigh light, convenient installation.
- (2) Miniaturization, suitable for minitype equipment or precision operating condition with limited space

Solid Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	100,120,200,256,300,400,500,512,600,720,900,1000,1024,1152,1200,1500,1800,2000,2048,2500,3600 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	6mm (Other sizes can be customized)
Shaft loading	Axial:20N Radial:30N
Starting torque	≤15g.cm(+25°C)
MAX.SPEED	6000rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤0.2kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-85%RH
Storage Temp	-40°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SSR52D8 - Solid Shaft Rotary Encoder



Features:

- (1) Minitype economical model mini, compacted structure, low price and high performance design.
- (2) Can operate continuously for long time, long service life.
- (3) Good rustproof performance, good anti-vibration capacity

Solid Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	10,20,30,40,50,60,80,100,120,125,200,240,256,300,400,450,480,500,512,600,720,750,800,900,1000,1024,1080,1200,1250,1500,1800,2000,2048,2500,3000,3600,4000,4096,5000,5400 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	8mm (Other sizes can be customized)
Shaft loading	Axial:30N Radial:50N
Starting torque	≤30g.cm(+25°C)
MAX.SPEED	10000rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤0.25kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-85%RH
Storage Temp	-30°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SSR62D10 - Solid Shaft Rotary Encoder



Features:

- (1)Solid mechanical design with compact structure.
- (2)Excellent axis loading capacity with longer working lifespan
- (3)Applicable for heavy loading,main axis of NC tooling machine,orientation and speed testing of servo motor.

Solid Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	10,20,30,40,50,60,80,100,120,125,200,240,256,300,400,450,480,500,512,600,720,750,800,900,1000,1024,1080,1200,1250,1500,1800,2000,2048,2500,3000,3600,4000,4096,5000,5400 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	10mm . (Other sizes can be customized)
Shaft loading	Axial:70N Radial:85N
Starting torque	≤50g.cm(+25°C)
MAX.SPEED	10000rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤0.35kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-85%RH
Storage Temp	-30°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SSR70D8 - Solid Shaft Rotary Encoder



Features:

- (1) Economical model, used for CNC, suitable for industrial condition.
- (2) Own good performance of mechanical damage resistance.

Solid Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	10,20,30,40,50,60,80,100,120,125,200,240,256,300,400,450,480,500,512,600,720,750,800,900,1000,1024,1080,1200,1250,1500,1800,2000,2048,2500,3000,3600,4000,4096,5000,5400 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	8mm . (Other sizes can be customized)
Shaft loading	Axial:70N Radial:85N
Starting torque	≤50g.cm(+25°C)
MAX.SPEED	10000rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤0.35kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-85%RH
Storage Temp	-30°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SSR62D4-J15 - Solid Shaft Rotary Encoder



Features:

- (1) Firm shaft system, compacted structure, easy installation.
- (2) Suitable for heavy load and severe condition, e.g. main shaft of CNC machine tool etc.
- (3) Strong load capacity of shaft, service life long.

Solid Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	0,20,30,40,50,60,80,100,120,125,200,240,256,300,400,450,480,500,512,600,720,750,800,900,1000,1024,1080,1200,1250,1500,1800,2000,2048,2500,3000,3600,4000,4096,5000,5400 According to customer requirements
Power Supply	DC8-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	4mm (Other sizes can be customized)
Shaft loading	Axial:15N Radial:30N
Starting torque	≤50g.cm(+25°C)
MAX.SPEED	6000rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤0.15kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-80%RH
Storage Temp	-30°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SSZ62D10 Solid Shaft Rotary Encoder



Features:

- (1) Firm mechanical design, compacted structure.
- (2) With $\phi 36$ fastening flange, $\phi 10$ shaft diameter (D profile notch), can be machined to $\phi 5$, $\phi 6$, $\phi 8$ etc.

Solid Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	10,20,30,40,50,60,80,100,120,125,200,240,256,300,400,450,480,500,512,600,720,750,800,900,1000,1024,1080,1200,1250,1500,1800,2000,2048,2500,3000,3600,4000,4096,5000,5400 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	$\leq 60\text{mA}$
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	10mm . (Other sizes can be customized)
Shaft loading	Axial:60N Radial:75N
Starting torque	$\leq 40\text{g.cm} (+25^{\circ}\text{C})$
MAX.SPEED	10000rpm
Vibration	$\leq 100\text{m/s}^2 (5-2000\text{HZ})$
Shock	$\leq 1000\text{m/s}^2 (11\text{ms})$
Weight	$\leq 0.3\text{kg}$
Environmental spec	
Operating Temp	$-10^{\circ}\text{C}-70^{\circ}\text{C}$
Operating Humidity	30-85%RH
Storage Temp	$-30^{\circ}\text{C}-80^{\circ}\text{C}$
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SSY58D6 - Solid Shaft Rotary Encoder



Features:

- (1) Minitype economical model mini, compacted structure, low price and high performance design.
- (2) Can operate continuously for long time, long service life.
- (3) Good rustproof performance, good anti-vibration capacity

Solid Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	10,20,30,40,50,60,80,100,120,125,200,240,256,300,400,450,480,500,512,600,720,750,800,900,1000,1024,1080,1200,1250,1500,1800,2000,2048,2500,3000,3600,4000,4096,5000,5400 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	6mm . (Other sizes can be customized)
Shaft loading	Axial:20N Radial:30N
Starting torque	≤20g.cm(+25°C)
MAX.SPEED	10000rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤0.25kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-85%RH
Storage Temp	-30°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9

