

Conductive Plastic Potentiometers : Servo Mount

Aluminium housing, ball bearings, precision stainless shafts, servo mount and close electrical tolerances are the outstanding features for this highest class in potentiometric rotary sensors. Because of volume production, prices are reasonable. Because of the analog 0 - 5K ohm output, the interface is easy. Precision potentiometers as rotary position sensing and setting devices are since more than 50 years used in PLC, industrial computers and for other automation applications. Multi sections with rear shaft extensions are available in Synchro size 07, 09, 15 and 20. Conductive plastic resistance elements allow very long rotational life.

RSS22

22 mm Ø Single Turn Conductive Plastic Long Life Sensor Potentiometer Size 09 Metal Housing, 20 Million Shaft Rotations, Continuous Rotation



[Link for Datasheet :](http://www.megauto.de/en/rss22.pdf)
www.megauto.de/en/rss22.pdf

- Aluminium housing - 2 ball bearings.
- Synchro type 09 + screw fixing.
- Long life, co-moulded element.
- Very good linearity tolerance.
- **Options:** Single, Tandem, Rear shaft.

Suitable for all rotary position sensing, speed control & feedback applications in machine automation, navigational equipment or fire guidance system.

Type **RSS 22**

Resistance range (Ω)	1K, 5K
Resistance tolerance (%)	± 15
Linearity tolerance (%)	± 0.2
Power rating (Watt)	0.5
Effective electrical angle ($^{\circ}$)	340 ± 4
Mechanical angle ($^{\circ}$)	360
Rotational life (approx.)	20 million

RSS36

36 mm Ø Single Turn Conductive Plastic Long Life Sensor Potentiometer size 15, Tandem Version and Rear Shaft Extension, Continuous Rotation



[Link for Datasheet :](http://www.megauto.de/en/rss36.pdf)
www.megauto.de/en/rss36.pdf

- Aluminium housing - 2 ball bearings.
- Synchro type 15 + screw fixing.
- Long life, co-moulded element.
- Very good linearity tolerance.
- International standard servo flange 33.4 mm
- **Options:** Single, Tandem, Rear shaft.

Suitable for all rotary position sensing, speed control & feedback applications in machine automation, navigational equipment or fire guidance system.

Type **RSS36**

Resistance range (Ω)	1K, 5K, 10K
Resistance tolerance (%)	± 15
Linearity tolerance (%)	± 0.2
Power rating (Watt)	2
Effective electrical angle ($^{\circ}$)	$90, 180, 345 \pm 5$
Mechanical angle ($^{\circ}$)	360
Rotational life (approx.)	30 million

RSS45

45 mm Ø Single Turn Conductive Plastic Long Life Sensor Potentiometer 25 Million Shaft Revolution Continuous Rotation



[Link for Datasheet :](http://www.megauto.de/en/rss45.pdf)
www.megauto.de/en/rss45.pdf

- Aluminium housing - 2 ball bearings.
- Synchro type 20
- Long life, co-moulded element.
- Very good linearity tolerance.
- International standard servo flange 47.5 mm
- **Options:** Single, Tandem, Rear shaft.

Suitable for all rotary position sensing, speed control & feedback applications in machine automation, navigational equipment or fire guidance system.

Type **RSS45**

Resistance range (Ω)	1K, 5K
Resistance tolerance (%)	± 15
Linearity tolerance (%)	± 0.2
Power rating (Watt)	2
Effective electrical angle ($^{\circ}$)	$90, 180, 345, 352 \pm 5$
Mechanical angle ($^{\circ}$)	360
Rotational life (approx.)	30 million

RSS50

50 mm Ø Single Turn Conductive Plastic Long Life Sensor Potentiometer 25 Million Shaft Revolution Continuous Rotation



[Link for Datasheet :](http://www.megauto.de/en/rss50.pdf)
www.megauto.de/en/rss50.pdf

- Aluminium housing - 2 ball bearings.
- Synchro type 20
- Long life, co-moulded element.
- Very good linearity tolerance.
- International standard servo flange 47.5 mm
- **Options:** Single, Tandem, Rear shaft.

Suitable for all rotary position sensing, speed control & feedback applications in machine automation, navigational equipment or fire guidance system.

Type **RSS 50**

Resistance range (Ω)	1K, 5K
Resistance tolerance (%)	± 15
Linearity tolerance (%)	± 0.2
Power rating (Watt)	2
Effective electrical angle ($^{\circ}$)	$90, 180, 345, 352 \pm 5$
Mechanical angle ($^{\circ}$)	360
Rotational life (approx.)	30 million

CP12S

12 mm ø Precision Conductive Plastic Potentiometer Single Turn Servo Mount - Metal Case



[Link for Datasheet :](http://www.megauto.de/en/cp12s.pdf)
www.megauto.de/en/cp12s.pdf

- Miniature type, good lifetime
- 12 mm Ø, Metal housing
- Good linearity tolerance
- Precision bearings (CP12S)
- Operating temperature :
- 40° to +85°C
- Suitable for mobile sensor, medical equipment & industrial applications.

Type	CP12S (Servo)
Housing diameter (mm)	12
Shaft dia X length (mm)	3.17 ø x 12
Resistance range (Ω)	1k,5k,10k
Resistance tolerance	± 20%
Linearity tolerance (%)	± 2 (1.5%)
Power rating (Watt)	0.2
Elec./Mech.angle (°)	340±10 /360
Rotary Life (Rotations)	~ 5 million

JSS22S

22 mm ø Precision Conductive Plastic Potentiometer Single Turn Servo Mount - Metal Case



[Link for Datasheet :](http://www.megauto.de/en/jss22s.pdf)
www.megauto.de/en/jss22s.pdf

- Very Economical, Metal case
- Rotational torque : 0.2 - 2 Ncm
- Operating temperature:
-55°C - +105°C
- Optional linearity : 0.5, 1%
- Can be used in feedback application.

Type	JSS22S (Servo)
Housing diameter (mm)	22
Bearing	Ball
Shaft dia X length (mm)	3.17 ø X 12.7
Resistance range (Ω)	1k,5k,10k ± 20%
Linearity tolerance (%)	± 2; ± 1% (optional)
Power rating (Watt)	1
Elec./Mech. angle (°)	340±5 /360
Rotary Life (Rotations)	~ 8 million

JSS36S

36 mm ø Conductive Plastic Long Life Sensor Potentiometer Servo Mount, 2 Ball Bearings - Metal Case



[Link for Datasheet :](http://www.megauto.de/en/jss36s.pdf)
www.megauto.de/en/jss36s.pdf

- Servo mount
- Operating temp : -55 to +105°C
- Two ball bearings
- Metal housings
- Optional linearity : 0.5%
- Options available: Dual gang and rear shaft.
- Can be used in feedback application.
- Mechanical angle: 360°

Type	JSS36S
Housing diameter (mm)	36
Shaft dia X length (mm)	6 ø X 16
Resistance range	1K,5K,10 KΩ
Resistance tolerance	±20%
Linearity tolerance (%)	± 1 (0.5%)
Power rating (Watt)	1.5
Rotary Life (Rotations)	~ 20 million

JSS50S

50 mm ø Conductive Plastic Long Life Sensor Potentiometer Servo Mount, 2 Ball Bearings - Metal Case



[Link for Datasheet :](http://www.megauto.de/en/jss50s.pdf)
www.megauto.de/en/jss50s.pdf

- Servo mount
- Operating temp : -55 to +105°C
- Two ball bearings
- Metal housings
- Optional linearity : 0.5%
- Options available: Dual gang and rear shaft.
- Can be used in feedback application.
- Mechanical angle: 360°

Type	JSS50S
Housing diameter (mm)	50
Shaft dia X length (mm)	6 ø X 20
Resistance range	1K,2K, 5K,10 KΩ
Resistance tolerance	±20%
Linearity tolerance (%)	± 1 (0.5%)
Power rating (Watt)	1.5
Rotary Life (Rotations)	~ 25 million