

Servo mount : Analog Rotary Position Sensor

Precision contactless Hall Rotary position sensors are available in aluminium housing with stainless steel shafts and precision ball bearings. Servo mounting housings are available in 12, 22, 36, 50 & 58 mm housing diameter. Shaft diameters 3 mm, 6 mm, 8 mm, 10 mm, 1/8" & 1/4" are available. Synchro sizes of 9, 15, 20 are available. For analog output supply voltages of 5VDC \pm 10% ; 9 - 30 VDC & 15 - 30 VDC and output signals of 0 - 5VDC (ratiometric) ; 0 - 5VDC ; 0 - 10VDC; 0 - 20 mA & 4 - 20 mA are provided. Also 2 channel outputs for voltage outputs are available.

12A M/Z MCS



Interconnection : Flat cable OCF

Link for Datasheet :

www.rotacol.info/12ammcs.pdf
www.rotacol.info/12azmcs.pdf

Servo Mount : 12 mm \varnothing *MiniLine* Analog Rotary Position Sensor

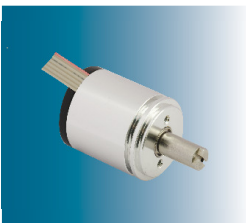
- 12 mm \varnothing metal housing
- Precision Miniature servo mount
- Low cost , Hall effect technology
- 360° Mechanical & electrical angle
- Aluminium housing with stainless steel shaft
- Shaft diameter :
Metric shaft : 3mm (MMCS)
Inch shaft : 1/8" (ZMCS)
- 2 Precision Ball bearings
- Interconnection :
3 core flat cable 0.15 mtr long

Type

12A M/Z MCS

Electrical angle	0-20° to 0-360° in 1°step prog. (std 360°)
Supply voltage	5V \pm 10%
Output signal	0-5V ratiometric; Single channel
Resolution steps	4096 (12 bit)
Mech.speed (max)	3000 rpm
Elec. speed (max)	160 rpm
Life (rotations)	~ 15 million

22A M/Z SL RCS



Interconnection -
Flat cable OCF (Standard)

Link for Datasheet :

www.rotacol.info/22amslracs.pdf
www.rotacol.info/22azslracs.pdf

Servo Mount : 22 mm \varnothing *Silverline* Analog Rotary Position Sensor

- 22mm \varnothing metal housing
- Servo mount
- Low cost , Hall effect technology
- 360° Mechanical & electrical angle
- Aluminium housing with stainless steel shaft
- Metric shaft : 6mm (MSL RCS)
Inch shaft : 1/8" (ZSL RCS)
- 2 Precision Ball bearings
- Interconnection :
3 core flat cable 0.15 mtr long (std),
terminal block (option)

Type

22A M/Z SL RCS

Electrical angle	0-20° to 0-360° in 1°step prog. (std 360°)
Supply voltage	5V \pm 10% / 9-30VDC/ 15-30 VDC
Output signal	0-5V ratiometric; 0-5V ; 0-10V DC Single/dual channel, 0-20mA, 4-20mA
Resolution Steps	4096 (12 bit)
Mech. speed (max)	6000 rpm
Elec. speed (max)	160 rpm (std) / 800 rpm (option)
Life (rotations)	~ 25 million

36A M/Z SL RCS



Interconnection -
Soldering pins OCP (Standard)

Link for Datasheet :

www.rotacol.info/36amslracs.pdf
www.rotacol.info/36azslracs.pdf

Servo Mount : 36 mm \varnothing *Silverline* Analog Rotary Position Sensor

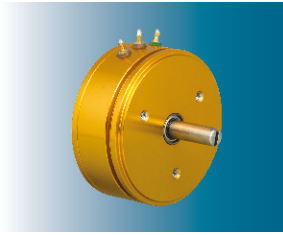
- 36mm \varnothing metal housing
- Servo mount ; synchro15
- Low cost , Hall effect technology
- 360° Mechanical & electrical angle
- Aluminium housing with stainless steel shaft
- Metric shaft : 6mm (MSL RCS)
Inch shaft : 1/4" (ZSL RCS)
- 2 Precision Ball bearings
- Standard interconnection :
3 soldering pins (OCP) - (std), cable gland (OCG), Miniature push-pull connector (OCM), terminal block axial (OCTA) / radial (OCTR) - (option)

Type

36A M/Z SL RCS

Electrical angle	0-20° to 0-360° in 1°step prog. (std 360°)
Supply voltage	5V \pm 10% / 9-30VDC/ 15-30 VDC
Output signal	0-5V ratiometric; 0-5V ; 0-10V DC Single/dual channel, 0-20mA, 4-20mA
Resolution	4096 step (12 bit)
Mech.Speed (max)	8000 rpm
Elec. speed (max)	160 rpm (std) / 800 rpm (option)
Life (rotations)	~ 35 million

50A MSL RCS



Interconnection - 3 soldering pins -
OCP (Standard)

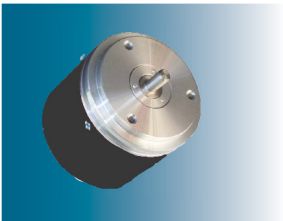
[Link for Datasheet :](http://www.rotacol.info/50amslracs.pdf)
www.rotacol.info/50amslracs.pdf

- 50mm \varnothing metal housing
- Servo mount ; synchro 20
- Low cost , Hall effect technology
- 360° Mechanical & electrical angle
- Aluminium housing with stainless steel shaft
- Shaft diameter : 6mm \varnothing
- 2 Precision Ball bearings
- Interconnection :
3 soldering pins (OCP) - (std), cable gland (OCG), Miniature push-pull connector (OCM), terminal block axial (OCTA) / radial (OCTR) - (option)

Servo Mount : 50 mm \varnothing Silverline Analog Rotary Position Sensor

Type	50A MSL RCS
Electrical angle	0-20° to 0-360° in 1°step prog. (std 360°)
Supply voltage	5V \pm 10% / 9-30VDC/ 15-30 VDC
Output signal	0-5V ratiometric; 0-5V ; 0-10V DC Single/dual channel, 0-20mA, 4-20mA
Resolution	4096 step (12 bit)
Mech.Speed (max)	9000
Elec. speed (max)	160 rpm (std) / 800 rpm (option)
Life (rotations)	~ 40 million

58A DRCS



Interconnection : 2.5 mtr round
cable

[Link for Datasheet :](http://www.rotacol.info/58adracs.pdf)
www.rotacol.info/58adracs.pdf

- 58mm \varnothing rugged metal housing
- Synchro flange with 3 mounting screws
- 360° Mechanical & electrical angle
- 10mm \varnothing shaft diameter
- Heavy duty applications
- Stainless steel shaft
- Interconnection : 3 core round cable
2.5 mtr long with rubber grommet

Servo Mount : 58mm \varnothing Diamondline Analog Rotary Position Sensor

Type	58A DRCS
Electrical angle	0°- 20° to 0° - 360° in 1° steps prog. (std 360°)
Supply Voltage	5V \pm 10% / 9-30VDC/ 15-30 VDC
Output signal	0-5V ratiometric; 0-5V ; 0-10V DC Single/dual channel, 0 -20mA; 4-20mA
Resolution	4096 steps(12 bit)
Mech.Speed (max)	5000 rpm
Elec.Speed (max)	160 rpm (std) / 800 rpm (option)
Life (rotations)	~ 75 million