

## Servo mount : SSI Rotary Position Sensor

Rotary contactless Hall position sensors are available in aluminium housing with stainless steel shafts and precision ball bearings. Servo mounting method is available in 22,36,50 & 58 mm housing diameter and shaft diameter 6 mm, 1/8", 1/4" and 10mm  $\varnothing$  are available. With the SSI interface the absolute angular position is provided serially and synchronous to a receiving electronic which has an input (PLC indicator etc.). The actual angle of position is provided in 2 byte WORD Grey code with 12 bit over 360°. The receiving electronic provides pulse sequences and thus determines the transmission rate. Output signals of 5V SSI, 24V SSI are available.

### 22Y M/Z SL RCS

### Servo Mount : 22 mm $\varnothing$ Silverline Rotary Position Sensor



Interconnection -  
Flat cable OCF (Standard)

**Link for datasheet :**

[www.rotacol.info/22ymlracs.pdf](http://www.rotacol.info/22ymlracs.pdf)  
[www.rotacol.info/22yzslracs.pdf](http://www.rotacol.info/22yzslracs.pdf)

- 22mm  $\varnothing$  metal housing
- Servo mount
- 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 :  
6 core flat cable 0.15 mtr long (std)  
terminal block (option)

#### Type 22Y M/Z SL RCS

|                   |                         |
|-------------------|-------------------------|
| Electrical angle  | 0 - 360°                |
| Supply voltage    | 5V $\pm$ 10% / 9-30 VDC |
| Output signal     | 5V / 24V SSI            |
| Resolution Steps  | 4096 (12 bit)           |
| Mech. speed (Max) | 6000 rpm                |
| Elec. speed (Max) | 1600 rpm                |
| Rotary Life       | ~ 25 mil. rotations     |

### 36Y M/Z SL RCS

### Servo Mount : 36 mm $\varnothing$ Silverline Rotary Position Sensor



Interconnection - cable gland

**Link for datasheet :**

[www.rotacol.info/36ymlracs.pdf](http://www.rotacol.info/36ymlracs.pdf)  
[www.rotacol.info/36yzslracs.pdf](http://www.rotacol.info/36yzslracs.pdf)

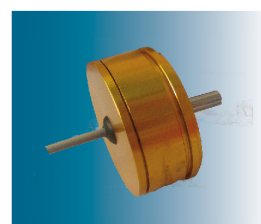
- 36mm  $\varnothing$  metal housing
- Servo mount
- Hall effect technology
- 360° Mechanical & electrical angle
- Aluminium housing with stainless steel shaft
- Metric shaft : 6mm (MSL RCS)
- Inch shaft : 1/4" (ZSL RCS)
- 2 Precision Ball bearings
- Interconnection :  
6 core round cable - (std), cable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

#### Type 36Y M/Z SL RCS

|                   |                         |
|-------------------|-------------------------|
| Electrical angle  | 0 - 360°                |
| Supply voltage    | 5V $\pm$ 10% / 9-30 VDC |
| Output signal     | 5V / 24V SSI            |
| Resolution Steps  | 4096 (12 bit)           |
| Mech. speed (Max) | 8000 rpm                |
| Elec. speed (Max) | 1600 rpm                |
| Rotary Life       | ~ 35 mil. rotations     |

### 50Y MSL RCS

### Servo Mount : 50 mm $\varnothing$ Silverline Rotary Position Sensor



Interconnection - round cable with rubber grommet

**Link for datasheet :**

[www.rotacol.info/50ymlracs.pdf](http://www.rotacol.info/50ymlracs.pdf)

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

#### Type 50Y MSL RCS

|                   |                         |
|-------------------|-------------------------|
| Electrical angle  | 0 - 360°                |
| Supply voltage    | 5V $\pm$ 10% / 9-30 VDC |
| Output signal     | 5V / 24V SSI            |
| Resolution Steps  | 4096 (12 bit)           |
| Mech. speed (Max) | 9000 rpm                |
| Elec. speed (Max) | 1600 rpm                |
| Rotary Life       | ~ 40 mil. rotations     |

## 58Y DRCS

## Servo Mount : 58 mm $\varnothing$ *Diamondline* SSI Rotary Position Sensor



Interconnection : 2.5 mtr  
round cable

**Link for datasheet :**  
[www.rotacol.info/58ydracs.pdf](http://www.rotacol.info/58ydracs.pdf)

- 58mm  $\varnothing$  metal housing
- Synchro flange
- 360° Mechanical & electrical angle
- Shaft diameter : 10mm  $\varnothing$
- Heavy duty applications
- Stainless steel shaft
- Interconnection : 6 core round cable  
2.5 mtr long with rubber grommet

### Type

### 58Y DRCS

|                   |                         |
|-------------------|-------------------------|
| Electrical angle  | 0 - 360°                |
| Supply voltage    | 5V $\pm$ 10% / 9-30 VDC |
| Output signal     | 5V / 24V SSI            |
| Resolution        | 4096 step (12 bit)      |
| Mech.speed (max)  | 5000 rpm                |
| Elec. speed (max) | 1600 rpm                |
| Rotary Life       | ~ 75 mil. rotations     |