

Flange Mount : SSI Rotary Position Sensor

RotaCol® Flange is precision contactless rotary position sensors range is available in plastic housing with 22, 25, 28 & 30mm Ø housing diameter. Flange mounting has shaft diameter of 6mm Ø. Flange has polymer bearing and default version has low torque. 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 ERCF

Flange Mount : 22 mm Ø *Ecoline* SSI Rotary Position Sensor



Interconnection - Flat cable

[Link for Datasheet :](http://www.rotacol.info/22yercf.pdf)
www.rotacol.info/22yercf.pdf

- 22mm Ø plastic housing
- Economical Hall effect magnetic sensor
- 360° continuous rotation without stop
- Shaft diameter : 6mm Ø
- Stainless steel shaft
- Shock and vibration proof
- Polymer bearing
- Interconnection :
6 core flat cable 0.15 mtr long

Type

22Y ERCF

Electrical angle	0 - 360°
Supply voltage	5V±10% / 9-30 VDC
Output signal	5V / 24V SSI
Resolution	4096 steps (12 bit)
Mech.speed (max)	3000 rpm
Elec. speed (max)	1600 rpm
Rotary life	~ 15 mil. rotations

28Y ERCF

Flange Mount : 28 mm Ø *Ecoline* SSI Rotary Position Sensor



Interconnection - Flat cable

[Link for Datasheet :](http://www.rotacol.info/28yercf.pdf)
www.rotacol.info/28yercf.pdf

- 28mm Ø plastic housing
- Economical Hall effect magnetic sensor
- 360° continuous rotation without stop
- Shaft diameter : 6mm Ø
- Stainless steel shaft
- Shock and vibration proof
- Polymer bearing
- Interconnection :
6 core flat cable 0.15 mtr long

Type

28Y ERCF

Electrical angle	0 - 360°
Supply voltage	5V±10% / 9-30 VDC
Output signal	5V / 24V SSI
Resolution	4096 steps (12 bit)
Mech.speed (max)	3000 rpm
Elec. speed (max)	1600 rpm
Rotary life	~ 15 mil. rotations

25Y RSF

Flange Mount : 25 mm Ø *RS Speed Connect* SSI Rotary Position Sensor



Interconnection -
Miniature push-pull connector

[Link for Datasheet :](http://www.rotacol.info/25yrsf.pdf)
www.rotacol.info/25yrsf.pdf

- 25mm Ø plastic housing
- Economical Hall effect magnetic sensor
- 360° continuous rotation
- Shaft diameter : 6mm Ø
- Stainless steel shaft
- Shock and vibration proof
- Polymer bearing
- Interconnection : cable gland (OCG),
Miniature push-pull connector (OCM),
terminal block axial (OCTA) or radial
(OCTR)

Type

25Y RSF

Electrical angle	0 - 360°
Supply voltage	5V±10% / 9-30 VDC
Output signal	5V / 24V SSI
Resolution	4096 steps (12 bit)
Mech.speed (max)	3000 rpm
Elec. speed (max)	1600 rpm
Rotary life	~ 15 mil. rotations

30Y RSF

Flange Mount : 30 mm Ø *RS Speed Connect* SSI Rotary Position Sensor



Interconnection - terminal block

Link for Datasheet :
www.rotacol.info/30yrsf.pdf

- 30mm Ø plastic housing
- Economical Hall effect magnetic sensor
- 360° continuous rotation
- Shaft diameter : 6mm Ø
- Stainless steel shaft
- Shock and vibration proof
- Polymer bearing
- Interconnection : cable gland (OCG), Miniature push-pull connector (OCM), terminal block axial (OCTA) or radial (OCTR)

Type

30Y RSF

Electrical angle	0 - 360°
Supply voltage	5V±10% / 9-30 VDC
Output signal	5V / 24V SSI
Resolution	4096 steps (12 bit)
Mech.speed (max)	3000 rpm
Elec. speed (max)	1600 rpm
Rotary life	~ 15 mil. rotations