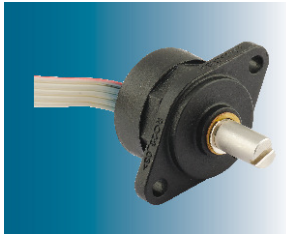


Flange Mount : Incremental Rotary Position Sensor

RotaCol® Flange incremental precision contactless rotary position sensors range are available in plastic housing with 22, 25, 28 & 30 mm Ø housing diameter. Shaft diameter of 6 mm Ø is available. Default version has low torque. Flange has polymer sleeve bearing and mechanical angle is 360° without stop. In case of the incremental interface, one revolution generates N pulses of signal A or B. The reference mark signal is produced once per revolution. Absolute sensor information can be provided by counting the number of pulses which matches with the actual absolute angle. Any number of pulses per revolution from 2 to 128, 256, 512, 1024 ppr are programmable. Maximum number of pulses are now 1024 ppr (default).

22I ERCF



Interconnection - Flat cable

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

- 22mm Ø plastic housing
- Replacement of optical encoders
- Economical Hall effect magnetic sensor
- 360° continuous rotation
- Shaft diameter : 6mm
- Stainless steel shaft
- Shock and vibration proof
- Polymer bearing
- Interconnection : 5 core flat cable 0.15 mtr long

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

Type	22I ERCF
Electrical pulses	Any pulse from 2 to 128, 256, 512, 1024 ppr (1024 ppr std)
Supply voltage	5V±10% / 9-30 VDC
Output signal	5V TTL 5V / 24V Open collector
Resolution	4096 steps (12 bit)
Mech. speed (max)	3000 rpm
Elec. speed (max)	1600 rpm
Rotary life	~ 15 mil. rotations

28I ERCF



Interconnection - Flat cable

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

- 28mm Ø plastic housing
- Replacement of optical encoders
- Economical Hall effect magnetic sensor
- 360° continuous rotation
- Shaft diameter : 6mm
- Stainless steel shaft
- Shock and vibration proof
- Polymer bearing
- Interconnection : 5 core flat cable 0.15 mtr long

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

Type	28I ERCF
Electrical pulses	Any pulse from 2 to 128, 256, 512, 1024 ppr (1024 ppr std)
Supply voltage	5V±10% / 9-30 VDC
Output signal	5V TTL 5V / 24V Open collector
Resolution	4096 steps (12 bit)
Mech. speed (max)	3000 rpm
Elec. speed (max)	1600 rpm
Rotary life	~ 15 mil. rotations

25I RSF



Interconnection - Flat cable

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

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

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

Type	25I RSF
Electrical pulses	Any pulse from 2 to 128, 256, 512, 1024 ppr (1024 ppr std)
Supply voltage	5V±10% / 9-30 VDC
Output signal	5V TTL 5V / 24V Open collector
Resolution	4096 steps (12 bit)
Mech. speed (max)	3000 rpm
Elec. speed (max)	1600 rpm
Rotary life	~ 15 mil. rotations

30I RSF

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



Interconnection - Flat cable

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

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

Type

30I RSF

Electrical pulses	Any pulse from 2 to 128, 256,512,1024 ppr (1024 ppr std)
Supply voltage	5V±10% / 9-30 VDC
Output signal	5V TTL 5V / 24V Open collector
Resolution	4096 steps (12 bit)
Mech.speed (max)	3000 rpm
Elec. speed (max)	1600 rpm
Rotary life	~ 15 mil. rotations