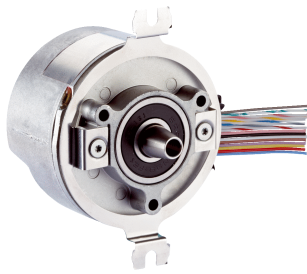


## CFS50

High performance in the proven mechanical design

**SICK**  
Sensor Intelligence.



### Technical data overview

<b>Type</b>	For integration
<b>Model</b>	Incremental singleturn
<b>Communication interface</b>	Incremental
<b>Pulses per revolution</b>	1,000 ... 4,096 (depending on type)
<b>Mechanical interface</b>	Tapered shaft, Spring mounting plate Tapered shaft, Resolver support Tapered shaft, Rubber support
<b>Connection type</b>	Stranded wire, 15-pin, radial Stranded wire, 15-pin, radial, customized, in delivery scope

### Product description

Motor feedback systems of the CFS50 product family are used worldwide in a large variety of applications and environments. Incremental signals with resolutions of up to 65,536 lines per revolution and commutation signals are available.

### At a glance

- Output driver for incremental and commutation signals to EIA 422
- Resolution of up to 65,536 lines per revolution
- Commutation signals of up to 32 pole pairs
- Temperature range from -20 °C to +115 °C
- Various mechanical interfaces

### Your benefits

- High level of flexibility due to mechanics already proven in other motor feedback systems
- High level of compatibility thanks to standard interface
- Time-saving due to electrical zero adjustment

### Ordering information

Other models and accessories → [www.sick.com/CFS50](http://www.sick.com/CFS50)

- **Communication interface:** Incremental TTL RS-422
- **Model:** Incremental singleturn
- **Type:** for integration
- **Operating temperature range:** -20 °C ... +115 °C

Pulses per revolution	Mechanical design	Connection type	Specialty	Type	Part no.
1,000	Tapered shaft, Resolver support	Stranded wire, 15-pin, radial	-	CFS50-AGV01X03	1064516
	Tapered shaft, Spring mounting plate	Stranded wire, 15-pin, radial	-	CFS50-AFV01X02	1060881
				CFS50-AFV01X04	1060879
1,024	Tapered shaft, Resolver support	Stranded wire, 15-pin, radial	-	CFS50-AGV10X04	1066328
				CFS50-AGV10X08	1072585
	Tapered shaft, Rubber support	Stranded wire, 15-pin, radial	-	CFS50-AEV10X03	1065229
				CFS50-AEV10X04	1054956
	Tapered shaft, Spring mounting plate	Stranded wire, 15-pin, radial	-	CFS50-AFV10X02	1076596
				CFS50-AFV10X03	1062485
				CFS50-AFV10X04	1072276
				CFS50-AFV10X08	1067936
				CFS50-AFV10X09	1054458

Pulses per revolution	Mechanical design	Connection type	Specialty	Type	Part no.
2,000	Tapered shaft, Resolver support	Stranded wire, 15-pin, radial	-	CFS50-AGV02X03	1083683
				CFS50-AGV02X04	1055093
2,048	Tapered shaft, Spring mounting plate	Stranded wire, 15-pin, radial	-	CFS50-AFV02X04	1065222
	Tapered shaft, Resolver support	Stranded wire, 15-pin, radial	-	CFS50-AGV11X03	1064130
2,048	Tapered shaft, Rubber support	Stranded wire, 15-pin, radial	-	CFS50-AGV11X04	1060562
				CFS50-AEV11X03	1065228
	Tapered shaft, Spring mounting plate	Stranded wire, 15-pin, radial	-	CFS50-AFV11X03	1062483
				CFS50-AFV11X04	1059520
				CFS50-AFV11X05	1081386
				CFS50-AFV11X06	1080385
				CFS50-AFV11X08	1073447
				CFS50-AFV11X09	1116726
4,000	Tapered shaft, Spring mounting plate	Stranded wire, 15-pin, radial	-	CFS50-AFV04X04	1121488
4,096	Tapered shaft, Resolver support	Stranded wire, 15-pin, radial	-	CFS50-AGV12X03	1056079
				CFS50-AGV12X04	1060563
				CFS50-AGV12X05	1089686
				CFS50-AGV12X08	1127257
	Tapered shaft, Rubber support	Stranded wire, 15-pin, radial	-	CFS50-AEV12X02	1060442
				CFS50-AEV12X03	1058725
				CFS50-AEV12X04	1060443
				CFS50-AEV12X06	1080394
				CFS50-AEV12X08	1065517
				CFS50-AEV12X11	1126690
	Tapered shaft, Spring mounting plate	Stranded wire, 15-pin, radial	-	CFS50-AFV11X05	1066862
				CFS50-AFV12X02	1056626
				CFS50-AFV12X03	1058458
				CFS50-AFV12X04	1059773
				CFS50-AFV12X06	1061648
				CFS50-AFV12X08	1059775
				CFS50-AFV12X10	1121016
				Stranded wire, 15-pin, radial, customized, in delivery scope	Customized cable in delivery scope

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)