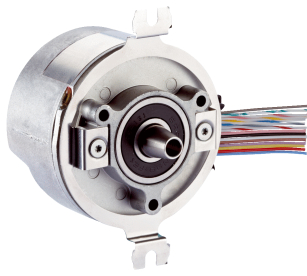


CFS50

High performance in the proven mechanical design

MOTOR FEEDBACK SYSTEMS ROTARY INCREMENTAL WITH COMMUTATION

SICK
Sensor Intelligence.



Technical data overview

Type	For integration
Communication interface	Incremental
Pulses per revolution	1,000 ... 4,096 (depending on type) (depending on type)
Mechanical interface	Tapered shaft, Spring mounting plate Tapered shaft, Resolver support Tapered shaft, Rubber support (depending on type)
Connection type	Stranded wire, 15-pin, radial

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 as per EIA 422
- Resolution of up to 65,536 lines per revolution
- Commutation signals 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

- **Communication interface:** Incremental TTL RS-422
- **Type:** for integration
- **Connection type:** stranded wire, 15-pin, radial

Pulses per revolution	Mechanical interface	Type	Part no.
1,000	Tapered shaft, Resolver support	CFS50-AGV01X02	On request

Pulses per revolution	Mechanical interface	Type	Part no.	
		CFS50-AGV01X03	1064516	
		CFS50-AGV01X04	On request	
		CFS50-AGV01X06	On request	
		CFS50-AGV01X08	On request	
		CFS50-AGV01X09	On request	
		CFS50-AGV01X10	On request	
	Tapered shaft, Rubber support	CFS50-AEV01X02	On request	
		CFS50-AEV01X03	On request	
		CFS50-AEV01X04	On request	
		CFS50-AEV01X06	On request	
		CFS50-AEV01X08	On request	
		CFS50-AEV01X09	On request	
	Tapered shaft, Spring mounting plate	CFS50-AFV01X02	1060881	
		CFS50-AFV01X03	On request	
		CFS50-AFV01X04	1060879	
		CFS50-AFV01X06	On request	
		CFS50-AFV01X08	On request	
		CFS50-AFV01X09	On request	
	1,024	Tapered shaft, Resolver support	CFS50-AGV10X02	On request

Pulses per revolution	Mechanical interface	Type	Part no.	
		CFS50-AGV10X03	On request	
		CFS50-AGV10X04	1066328	
		CFS50-AGV10X06	On request	
		CFS50-AGV10X08	1072585	
		CFS50-AGV10X09	On request	
		CFS50-AGV10X10	On request	
	Tapered shaft, Rubber support	CFS50-AEV10X02	On request	
		CFS50-AEV10X03	1065229	
		CFS50-AEV10X04	1054956	
		CFS50-AEV10X06	On request	
		CFS50-AEV10X08	On request	
		CFS50-AEV10X09	On request	
	Tapered shaft, Spring mounting plate	CFS50-AEV10X10	On request	
		CFS50-AFV10X02	1076596	
		CFS50-AFV10X03	1062485	
		CFS50-AFV10X04	1072276	
		CFS50-AFV10X06	On request	
		CFS50-AFV10X08	1067936	
	2,000	Tapered shaft, Resolver support	CFS50-AFV10X09	1054458
			CFS50-AFV10X10	On request
	Tapered shaft, Resolver support	CFS50-AGV02X02	On request	

Pulses per revolution	Mechanical interface	Type	Part no.	
		CFS50-AGV02X03	1083683	
		CFS50-AGV02X04	1055093	
		CFS50-AGV02X06	On request	
		CFS50-AGV02X08	On request	
		CFS50-AGV02X09	On request	
		CFS50-AGV02X10	On request	
	Tapered shaft, Rubber support	CFS50-AEV02X02	On request	
		CFS50-AEV02X03	On request	
		CFS50-AEV02X04	On request	
		CFS50-AEV02X06	On request	
		CFS50-AEV02X08	On request	
		CFS50-AEV02X09	On request	
	Tapered shaft, Spring mounting plate	CFS50-AEV02X10	On request	
		CFS50-AFV02X02	On request	
		CFS50-AFV02X03	On request	
		CFS50-AFV02X04	1065222	
		CFS50-AFV02X06	On request	
		CFS50-AFV02X08	On request	
	2,048	Tapered shaft, Resolver support	CFS50-AFV02X09	On request
			CFS50-AFV02X10	On request
CFS50-AGV11X02			On request	
CFS50-AGV11X03			1064130	

Pulses per revolution	Mechanical interface	Type	Part no.
		CFS50-AGV11X04	1060562
		CFS50-AGV11X06	On request
		CFS50-AGV11X08	On request
		CFS50-AGV11X09	On request
		CFS50-AGV11X10	On request
	Tapered shaft, Rubber support	CFS50-AEV11X02	On request
		CFS50-AEV11X03	1065228
		CFS50-AEV11X04	On request
		CFS50-AEV11X06	On request
		CFS50-AEV11X08	On request
		CFS50-AEV11X09	On request
		CFS50-AEV11X10	On request
	Tapered shaft, Spring mounting plate	CFS50-AFV11X02	On request
		CFS50-AFV11X03	1062483
		CFS50-AFV11X04	1059520
		CFS50-AFV11X05	1081386
		CFS50-AFV11X06	1080385
		CFS50-AFV11X08	1073447
		CFS50-AFV11X09	1116726
	CFS50-AFV11X10	On request	
4,000	Tapered shaft, Resolver support	CFS50-AGV04X02	On request

Pulses per revolution	Mechanical interface	Type	Part no.	
		CFS50-AGV04X03	On request	
		CFS50-AGV04X04	On request	
		CFS50-AGV04X06	On request	
		CFS50-AGV04X08	On request	
		CFS50-AGV04X09	On request	
		CFS50-AGV04X10	On request	
	Tapered shaft, Rubber support	CFS50-AEV04X02	On request	
		CFS50-AEV04X03	On request	
		CFS50-AEV04X04	On request	
		CFS50-AEV04X06	On request	
		CFS50-AEV04X08	On request	
		CFS50-AEV04X09	On request	
	Tapered shaft, Spring mounting plate	CFS50-AFV04X02	On request	
		CFS50-AFV04X03	On request	
		CFS50-AFV04X04	1121488	
		CFS50-AFV04X06	On request	
		CFS50-AFV04X08	On request	
		CFS50-AFV04X09	On request	
	4,096	Tapered shaft, Resolver support	CFS50-AGV12X02	On request
			CFS50-AGV12X03	1056079

Pulses per revolution	Mechanical interface	Type	Part no.
		CFS50-AGV12X04	1060563
		CFS50-AGV12X05	1089686
		CFS50-AGV12X06	On request
		CFS50-AGV12X08	On request
		CFS50-AGV12X09	On request
		CFS50-AGV12X10	On request
	Tapered shaft, Rubber support	CFS50-AEV12X02	1060442
		CFS50-AEV12X03	1058725
		CFS50-AEV12X04	1060443
		CFS50-AEV12X06	1080394
		CFS50-AEV12X08	1065517
		CFS50-AEV12X09	On request
	Tapered shaft, Spring mounting plate	CFS50-AEV12X10	On request
		CFS50-AFV12X02	1056626
		CFS50-AFV12X03	1058458
		CFS50-AFV12X04	1059773
		CFS50-AFV12X06	1061648
		CFS50-AFV12X08	1059775
		CFS50-AFV12X09	On request
		CFS50-AFV12X10	1121016

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