



CKS36

Shock- and vibration-resistant: perfect for installation in electric motors

MOTOR FEEDBACK SYSTEMS ROTARY INCREMENTAL WITH COMMUTATION

SICK
Sensor Intelligence.



Technical data overview

Type	For integration
Communication interface	Incremental
Pulses per revolution	128 ... 2,048 (depending on type) (depending on type)
Mechanical interface	Tapered shaft, 3 mm
Connection type	Male connector, 14-pin, axial

Product description

The CKS36 motor feedback system is a member of a new generation of optical motor feedback systems with the mini-disk technology: A very small code disk of only 2 mm radius allows for holistic scanning while at the same time providing for a high degree of resistance to shock and vibration. In this the eccentricity errors of the code disk and shaft that are unavoidable with conventional systems are compensated for by the system.

At a glance

- Output driver for incremental and commutation signals as per EIA 422
- Resolution of up to 2,048 lines per revolution
- Commutation signals up to 32 pole pairs
- Individual programming of the line count, pole pair number and zero pulse width
- High resistance to shock and vibration
- System compensates for eccentricity errors due to holistic scanning
- Allows for high angular speeds

Your benefits

- The CKS36's small dimensions allows manufacturers to considerably reduce the size of their motors
- Programmable version for a reduced product variety
- High level of compatibility thanks to standard interface

Ordering information

Other models and accessories → www.sick.com/CKS36

- **Communication interface:** Incremental TTL RS-422
- **Type:** for integration
- **Mechanical interface:** tapered shaft
- **Connection type:** male connector, 14-pin, axial

Pulses per revolution	Type	Part no.
128	CKS36-AFB08001	1060520
256	CKS36-BFB10002	On request
	CKS36-BFB10016	On request
500	CKS36-BFB1F408	On request
512	CKS36-AFB20003	1037915
	CKS36-AFB20032	On request
1,000	CKS36-AFB3E803	1111844
	CKS36-AFB3E804	1059524
	CKS36-AFB3E810	1111468

Pulses per revolution	Type	Part no.
1,024	CKS36-AFB40003	1035162
	CKS36-AFB40005	1035535
	CKS36-AFB40010	1036732
	CKS36-BFB40004	On request
2,000	CKS36-AFB7D002	1097741
	CKS36-AFB7D012	1109537
2,048	CKS36-AFB80002	1107752
	CKS36-AFB80003	1035358
	CKS36-AFB80004	1062488
	CKS36-AFB80005	1073461
	CKS36-AFB80006	1037539
	CKS36-AFB80008	1074608
	CKS36-AFB80010	1038023
	CKS36-AFB80012	1037018
	CKS36-BFB80006	On request
	CKS36-PFBPROGR	1035370

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