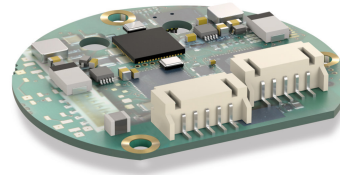


### Profile

- single-axis inclination sensor 0 ... 360°
- MEMS capacitive measurement principle
- temperature-compensated from -40 ... 85° C
- simple function enhancement



CANopen



### Electrical data

Feature	Technical data	Additional information
Temperature drift	≤0.02 °/K 0.008 °/K, typical	
Interface	according to ISO 11898-1, not electrically isolated	CANopen, CiA 301, CiA 305, CiA 410
Address	1 ... 127	Node ID, via SDO or Layer Setting Service (LSS)
Baud rate	20 kbit/s 50 kbit/s 125 kbit/s 250 kbit/s 500 kbit/s 800 kbit/s 1 Mbit/s	
Cut-off frequency	0.1 ... 20 Hz	freely parameterizable
Parameter	according to CiA 301, CiA 305, CiA 410	CANopen

### System data

Feature	Technical data	Additional information
Scanning	MEMS	
Resolution	0.01 °	
System accuracy	±0.2 ° at 20 °C ±0.8 °	over the entire temperature and max. measuring range
Measuring range	0 ... 360 ° ±180 °	1 axis, parameterizable 1 axis, freely parameterizable

### ■ Characteristics of functional safety

Feature	Technical data	Additional information
MTTFd	710 Year(s) at 60 °C	per channel
PFHd	159 FIT	at 60° C according to DIN/EN 61508 Part 6, Ed. 2, 1 FIT = 1.0 E-09 1/h
DCavg	71 %	at 60° C according to ISO 13849-1, Appendix E.2

### Ambient conditions

Feature	Technical data	Additional information
Relative humidity	95 %	condensation inadmissible