

## Magnetostrictive Linear Position Sensors Model series CE2 with Analog - interface

# Analog

- Optimal price-/performance ratio
- Stroke length up to 2500 mm
- Output signals : Current & Voltage
- Operating temperature up to +75 °C (167 °F)
- Flat & Compact application
- With axial connector M12 or cable outlet



### Construction

The compact and flat aluminum profile offers flexible mounting options and easy installation. Moreover, the position magnet can travel along the entire flat housing profile. The CE2 has an attractive price-/performance ratio and is ideal for industrial applications including plastics molding and processing, factory automation and packaging.

### Electrical data

- Analog current: 4 - 20 mA / 20 - 4 mA
- Analog voltage: 0 - 10V / 0-5V
- Resolution: 12 bits D/A ( 50 um )
- Linearity: < ± 0.05 %
- Repeatability: < ± 100 um
- Update time: < 1 ms
- Supply voltage.: 24 VDC (-15/+20 %)
- Consumption: 80 mA max

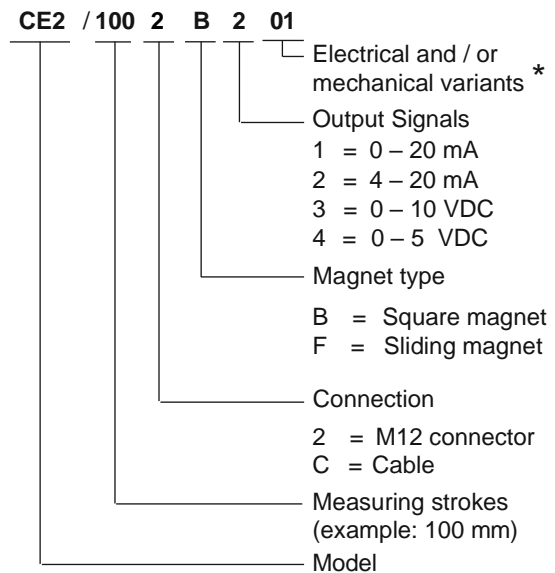
### Mechanical data

- Movement speed: Any
- Stroke length: 50 - 2500 mm
- Sensor lid: Zinc die-cast
- Sensor profile: Aluminum

### Environmental data

- Operating temperature range: - 40 °C to + 75 °C
- Storage temperature: - 40 °C to + 85 °C
- Resistance to vibration: 10 g (10 to 2.000 Hz)
- Resistance to shock: 50 g (11ms)
- Protection type: IP 65
- Humidity: 90 % no condensation
- EMC test: EN 61000-6-3  
EN 61000-6-2

### Oder code format



\* The basic versions in accordance with the data sheet bear the code number 01. Variations of the basic version are indicated by a consecutive number and are documented in our works.

### Counter plugs

- CSTK4GS10: straight, plastic (STBG)
- CSTK4GS09: straight, metal (STBGM)
- CSTK4WS05: angled, plastic (STBW)
- CSTK4GS08: straight, plastic, 10 m cable (STK65)

To be ordered separately .

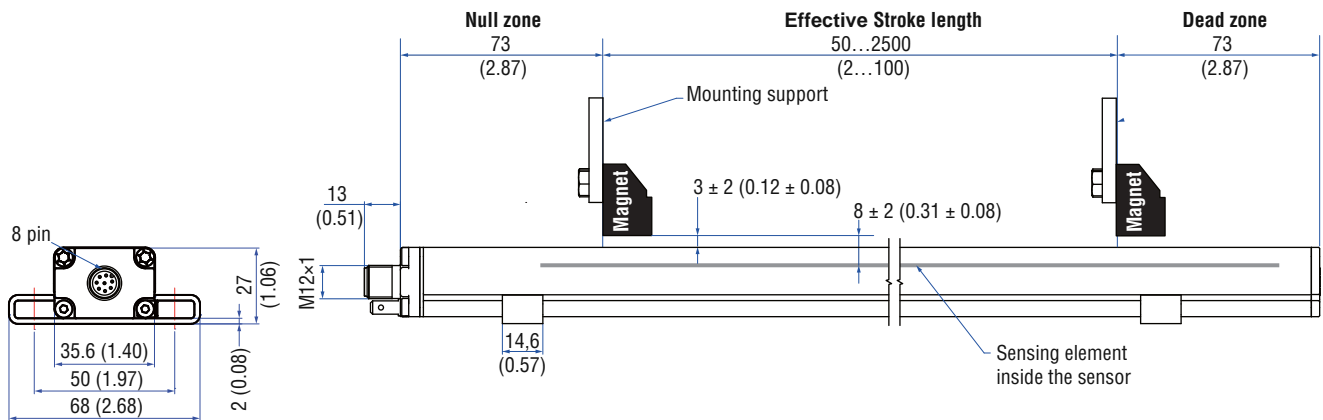
## Electrical connections



Connector Wiring  
Seen from sensor

Pin	Wire	Voltage/current
1	Brown	24 VDC
2	White	0 V
3	Green	(0)4 - 20 mA 0 - 10 V, ± 10 V
4	Yellow	Signal GND
5	NC	NC

## Dimensions in mm



## Measuring strokes and technical data

The measuring strokes are situated in the center of the mechanical strokes.