

SSI Interface



Descriptions:

Serial Synchronized Interface (SSI) can switch real-time position of cursor into 24, 25 or 26 digits serial data (Binary or Gray) and transmit to the controller by serial communication after receiving clock type provided by the controller.

Features:

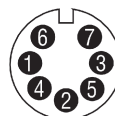
- High resolution SSI Interface
- CE Certification
- Bear 340bar absolute pressure

Technical Parameters:

Type	EL...M-R.10-M.-D.-S....
Output	24/25/26 Bit SSI
Measuring Range	50...3000mm
Repeatability	±0.002%FS or as same as resolution
Resolution	5µm、20µm、50µm、100µm、10µm、2µm、1µm
Work Temperature	
Head Part	-40°C to +85°C
Pole Part	-40°C to +100°C
Null Zone	50.8mm (rod style), 28mm (profile style)
Dead Zone	63.5mm (rod style), 66mm (profile style)
Work Voltage	24VDC (-15%~+20%)
Work Current	< 90mA (according to the range)
Protection Degree	IP65/67
Response Time	Generally ≤2ms, according to the range
Head	Hexagon, 70mm long, Face to face distance 46mm
Non-linearity	±0.025%FS Or ±0.07mm (whichever larger)
Lag	<10 µm (mechanical driving clearance not considered)
Store Temperature	-40°C to +120°C
Pressure	340bar
Profile Style	Electronic head: Aluminium Rod: Aluminium housing Magnet type: Open-ring magnet
Rod Style	Electronic head: Aluminium Rod: Stainless steel 304L Magnet type: Ring magnet
Connection	Cable or connector
Connector	7-pin

Wiring:

Pin No.	Cable Color	Function
1	White	Data(-)
2	Yellow	Data(+)
3	Blue	Clock(+)
4	Green	Clock(-)
5	Red	+24 VDC (-15% - +20%)
6	Black	0 VDC
7		Floating

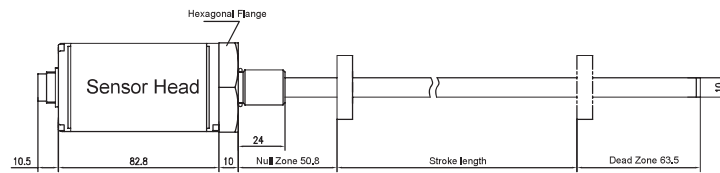
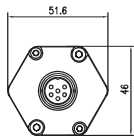


Integral connector
as viewed from end
of sensor

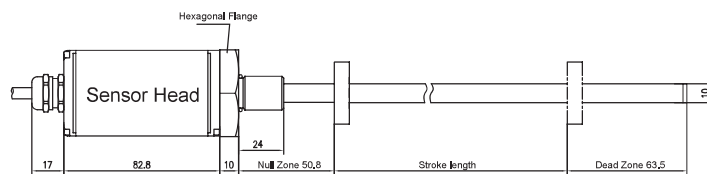
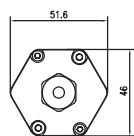
SSI Interface

Dimension:

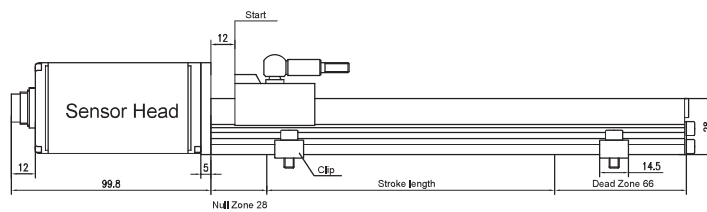
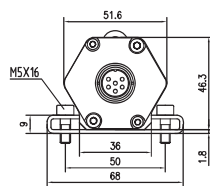
SSI Interface (RH Rod style, connector)



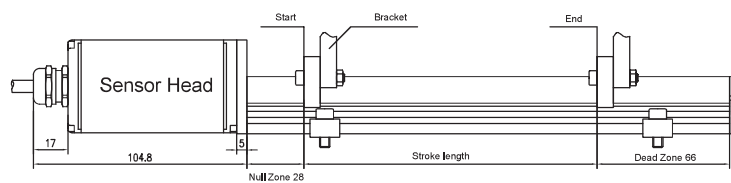
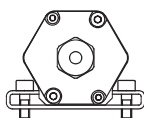
SSI Interface (RH Rod style, cable)



SSI Interface (RP Profile style Captive-sliding magnet)



SSI Interface (RP Profile style Float magnet)



SSI Interface

SSI Interface Type Ordering Code:

EL 0000 M - R H 10 - M1 - D 00 - S0B00*

