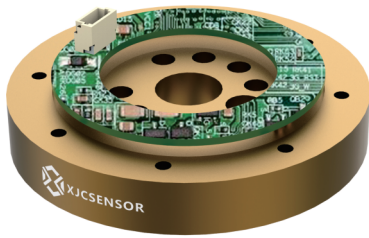


X-ST208-A



Feature

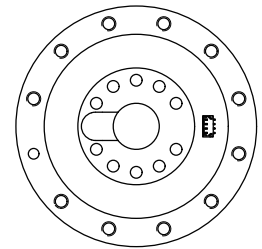
- ★ Various communication methods are available.
- ★ High sampling frequency, quick response, strong antiinterference ability.
- ★ High precision with the principle of resistance strain type.
- ★ Good temperature characteristics with self-compensated strain gauge.
- ★ Small size, thin thickness, high torsional rigidity and strong overload protection capacity.

Dimension and capacity can be customized by request.

Technical specifications

Capacity (Optional)	7.5N.m	Material	Stainless Steel
Nonlinearity	≤ 0.5% F.S.	Output	0.5V-2.5V-4.5V (-7.5N.m-0-7.5N.m)
Recommended excitation	5VDC	Compensated temp range	-10 ~ 40°C
Hysteresis	≤ 0.5% F.S.	Operating temp range	- 20 -80 °C
Repeatability	≤ 0.5% F.S.	Creep (30min)	≤ 0.2% F.S.
Sampling frequency	≥ 300Hz	Safe load limit	200 % F.S.
Crosstalk axial force	150N	Temp effect on zero	≤ 0.5% F.S. /10°C
Crosstalk radial force	150N	Ultimate load limit	300 % F.S.
Crosstalk bending moment	3.75N.m	Cross-talk error	≤ 1% F.S.
Torsional Stiffness	87KN.m/rad	Pin assignment	Pin1:GND Pin2:5V Pin3:CH1 Pin4:NC

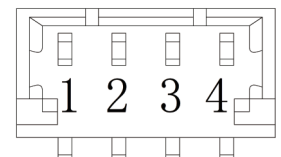
Load direction



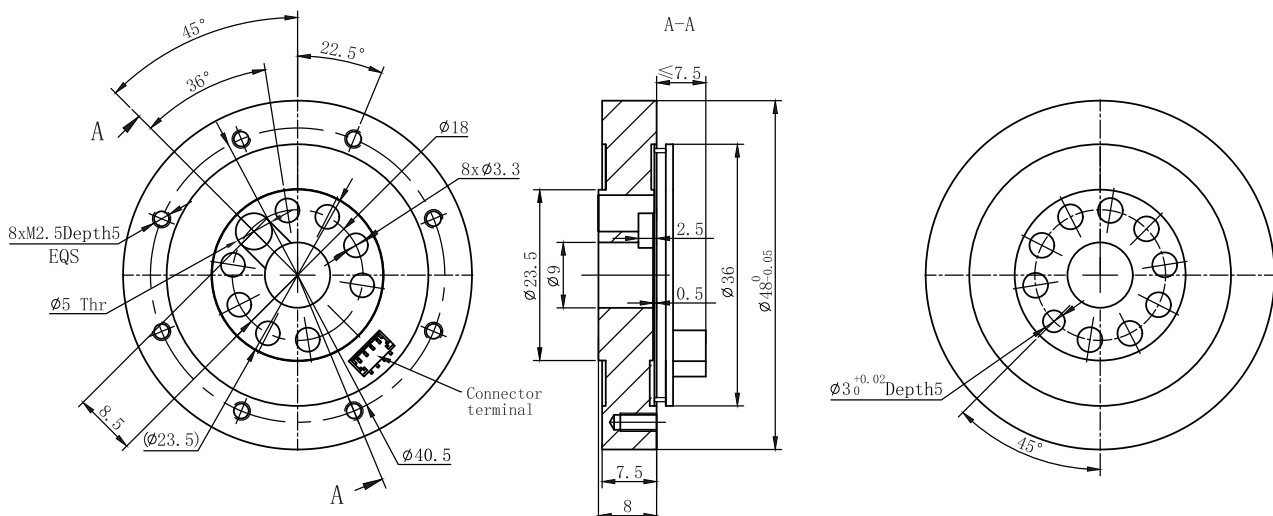
M+(The inner ring is fixed, and the torque applied to the outer ring in the direction of the arrow is defined as positive.)

Pin assignment

Model:BM04B-SRSS-TB



Dimensional Drawings (mm)



Applications

It is suitable for force value detection of industrial automation, automotive industry, bolt tightening technology, electric motors, and pumps.