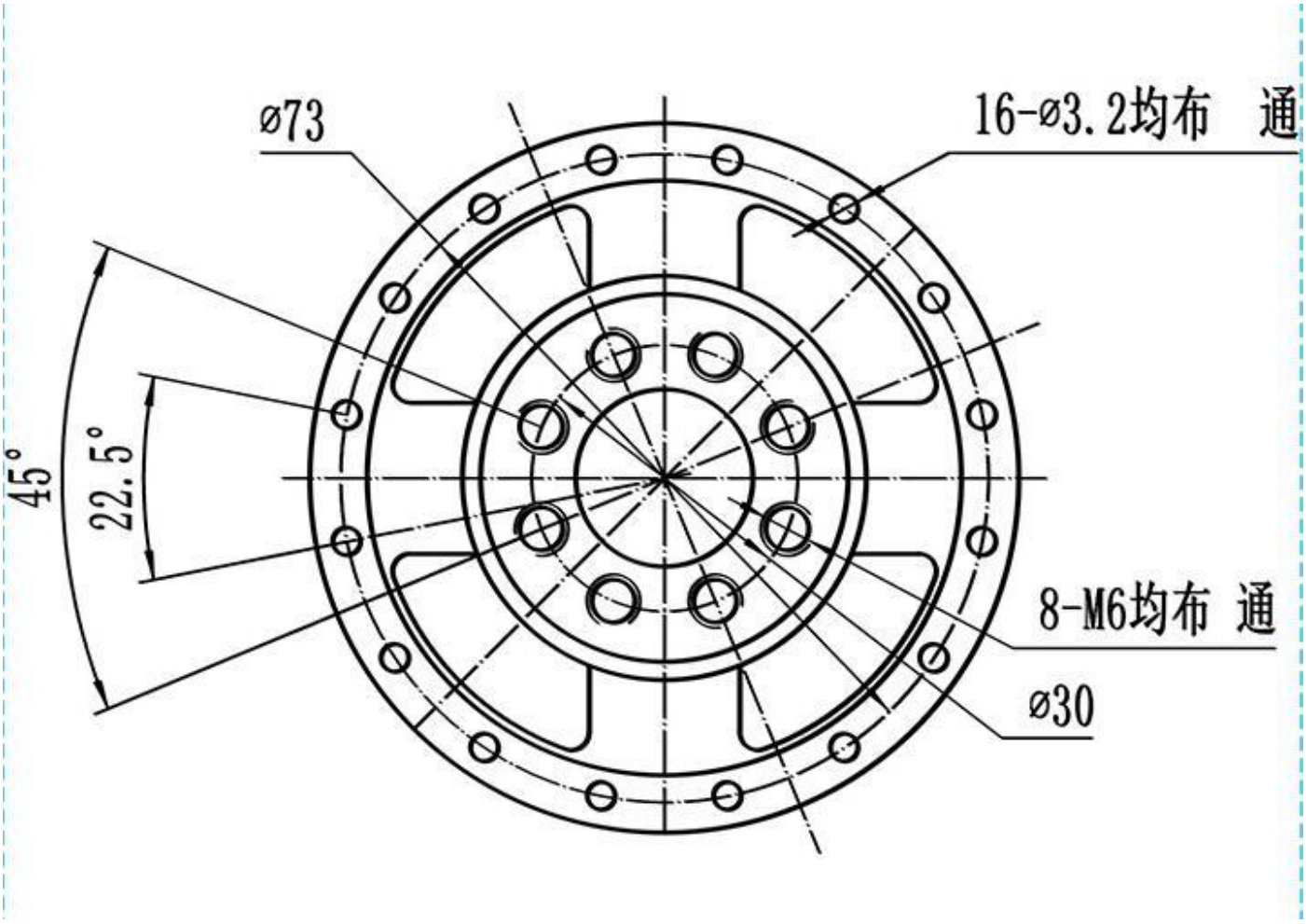
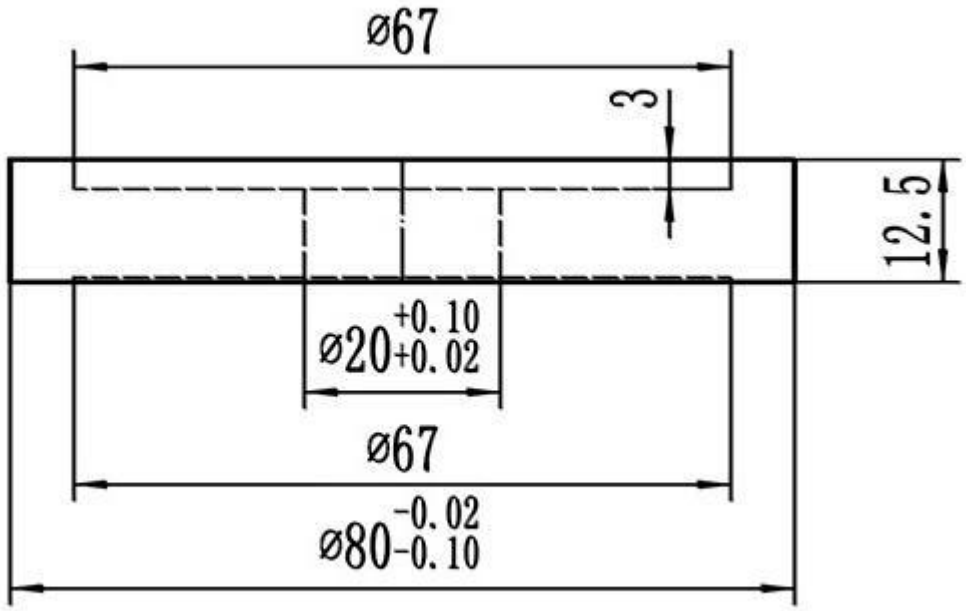
LCJN-B05 Reaction Torque Sensor

Characteristics & Usage:

A static torque sensor is a type of sensor used to measure the torque of stationary or slowly rotating objects. Flange installation transmission
The sensor is connected to a load transfer device and can output voltage or current signals.
It is used for static non-continuous rotation, can be customized to non-standard specifications, has stable anti-interference signals, and is widely applied in testing machines, torque wrenches, and rotators
In the static torque testing systems for motors, electric actuators, valves, transmissions, hydraulic systems, etc.

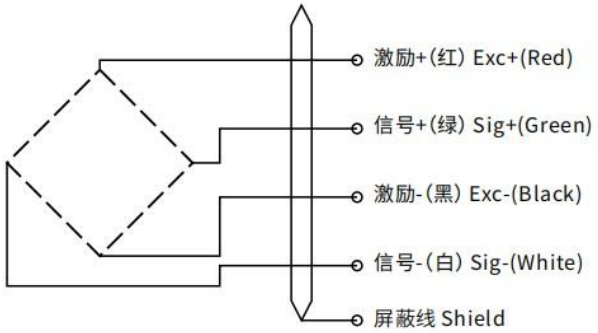
Dimensions（mm）:



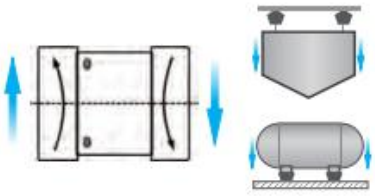


Capacity(N.m)	20	30	50	100	200

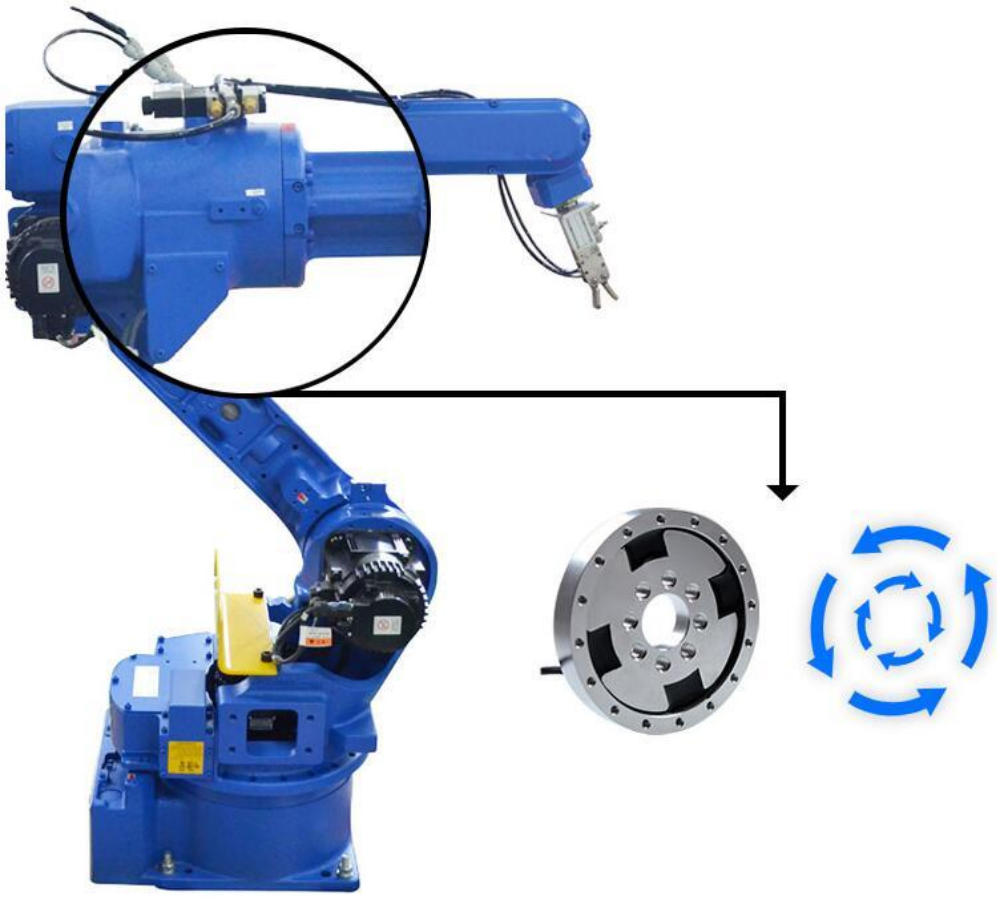
Sensor wiring diagram



Force diagram



Robot arm detection



Technical parameters

量程 Capacity	0-200N.m	材质 Material	铝合金/合金钢 Aluminum alloy/Alloy Steel
输出灵敏度 Rated Output	1.5±0.5%	阻抗 Impedance	700±5Ω
零点输出 Zero Balance	±0.5% F.S.	绝缘电阻 Insulation	≥5000MΩ/100VDC
非线性 Non-linearity	±0.5% F.S.	使用电压 Recommended Excitation	5-15V
滞后 Hysteresis	±0.5% F.S.	工作温度范围 Operating Temp range	-20~80℃
重复性 Repeatability	±0.5% F.S.	安全超载 Safe Load Limit	150%
蠕变（30 分钟） Creep (30 Min)	0.3% F.S.	极限超载 Ultimate Load Limit	200%
温度灵敏度漂移 Temp Effect on output	0.3% F.S./10℃	电缆线规格 Cable Specifications	Φ3*2m
零点温度漂移 Temp Effect on Zero	0.1% F.S. /10℃	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS Optional 可选	