

CWJ-072型热流、热沉温度传感器DBW-072型变换器

CWJ-072 Heat flux, heat sink temperature sensor DBW – 072 converter

1.外形结构尺寸 Overall dimension

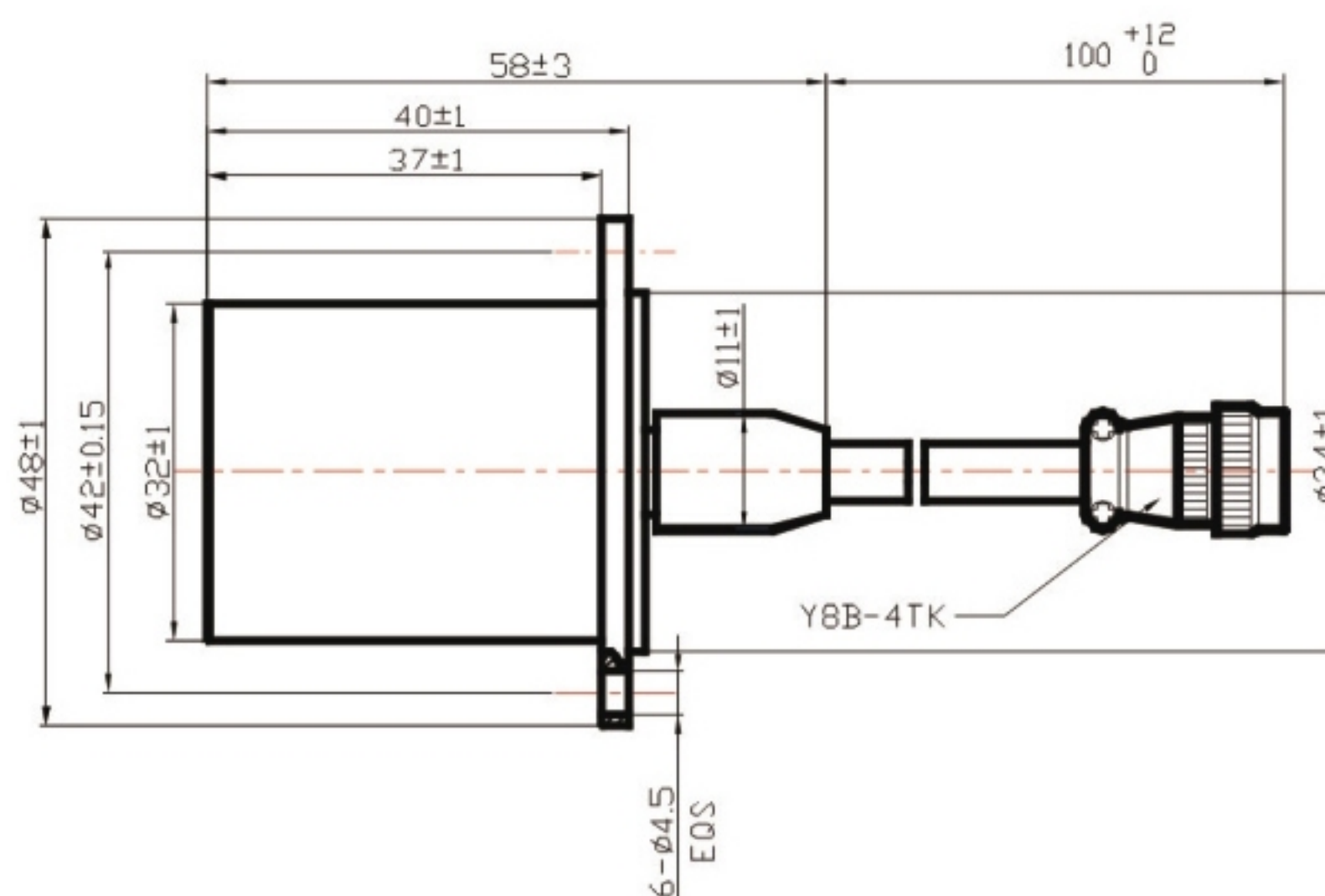


图1 传感器外形及安装尺寸

figure 1 outside view of installation dimension of sensor

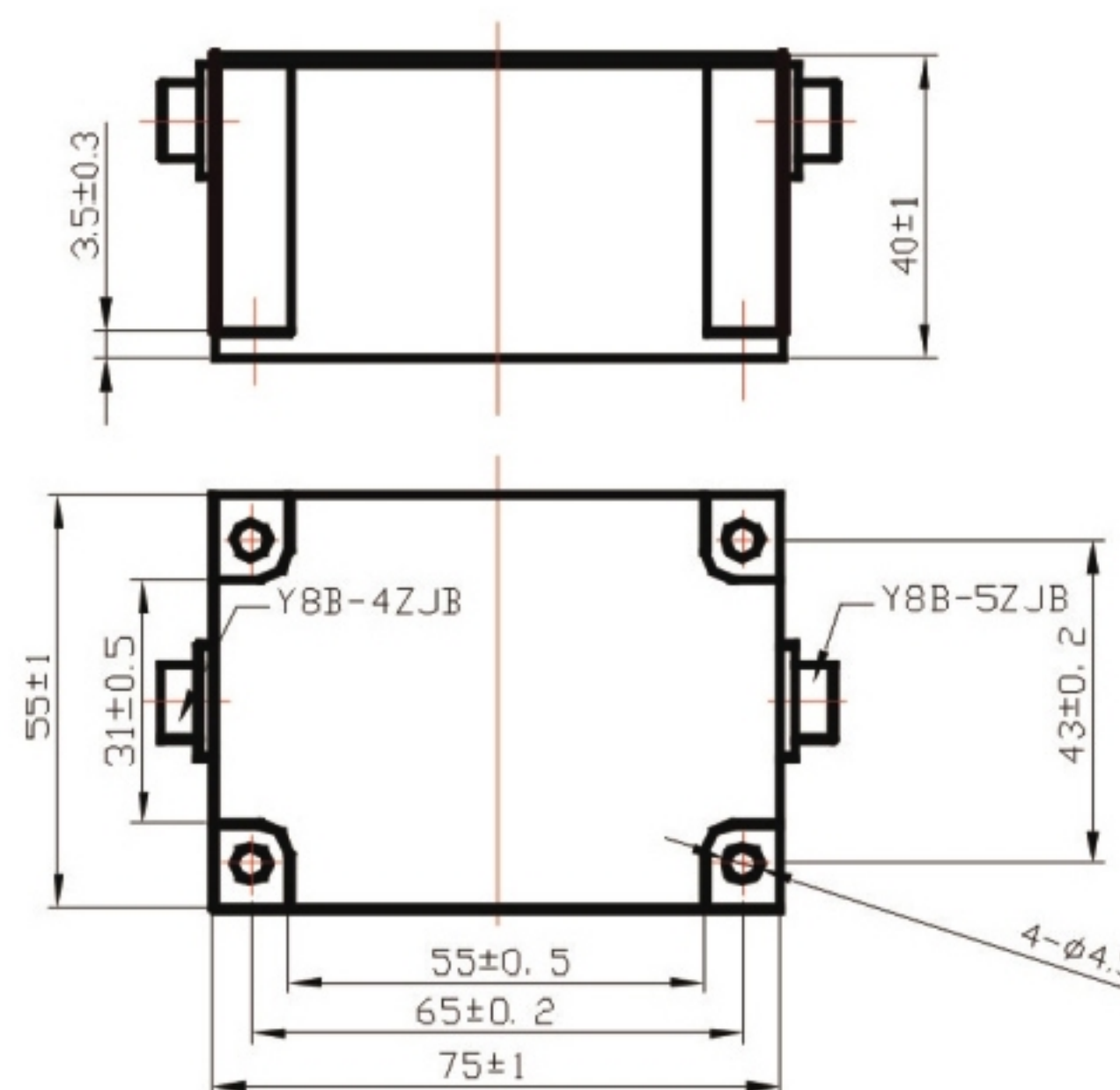
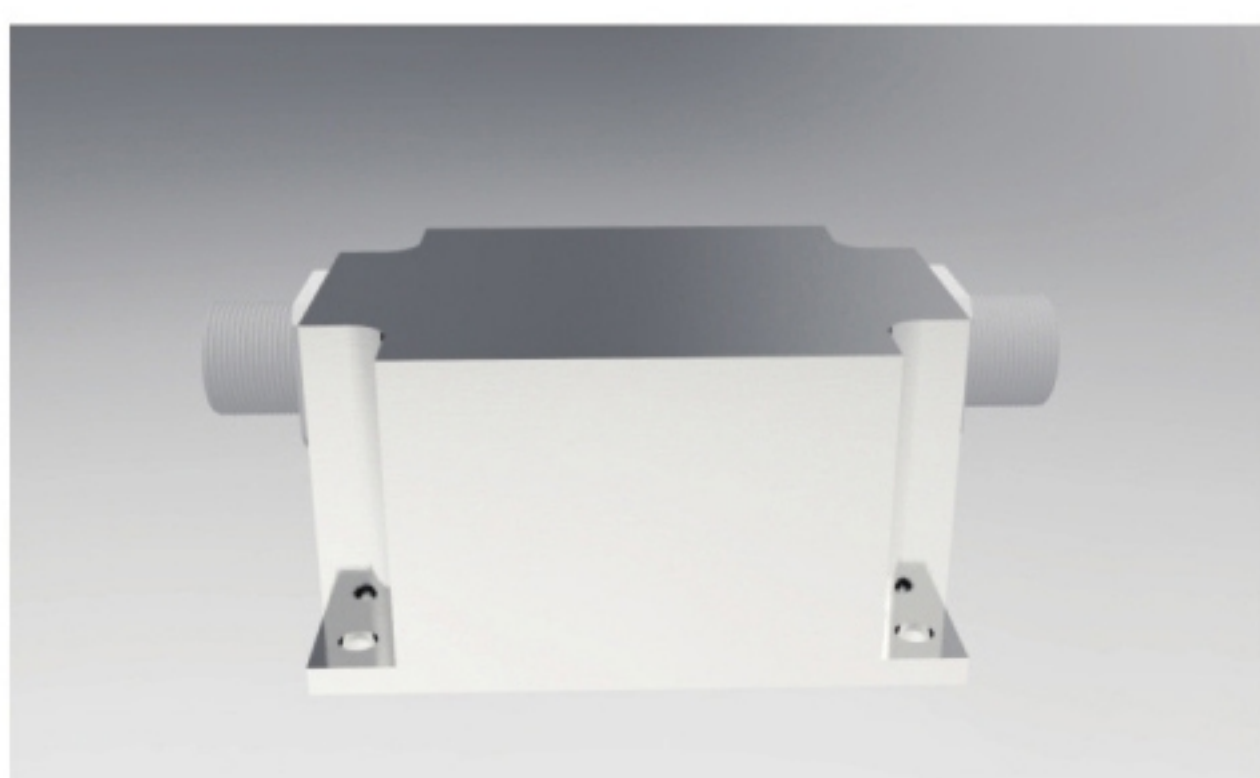
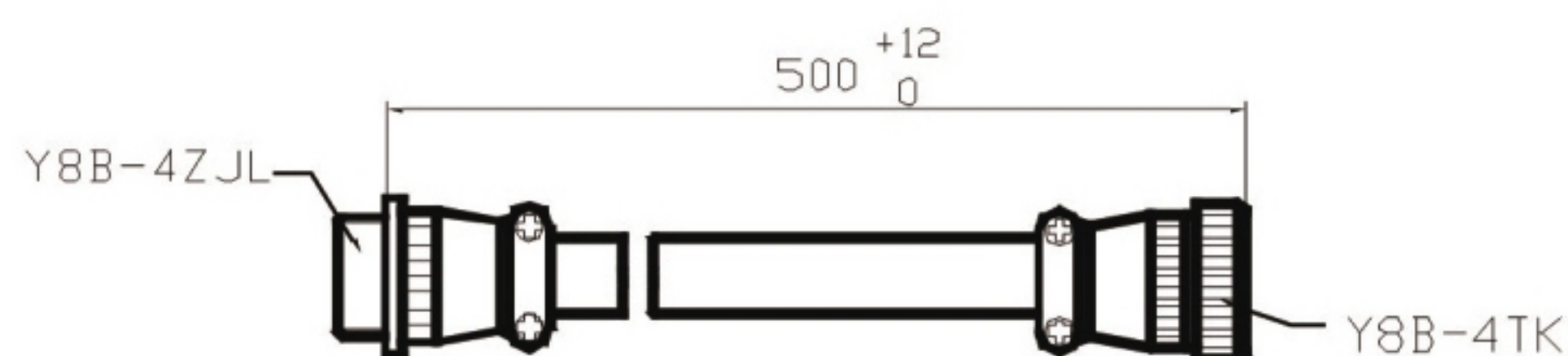


图2 变换器外形及安装尺寸

figure 2 outside view and installation size.



3 传感器与变换器连接线图

figure 3, Connection diagram of sensor and converter

2. 电气连接 Electrical connection

传感器、变换器的输入输出采用Y8B连接器。其接点功能见下表。

Output and input of sensor and converter is connector Y8B, please check contact function in table.

引脚编号 Pin Number	1	2	3	4	5
传感器输出 Y8B-4TK Sensor output Y8B-4TK	热流输出正 Positive heat flux	热流输出负 Negative heat flux	热沉输出正 Positive Heat sink output	热沉输出负 Negative Heat sink output	-
变换器输入 Y8B-4ZJB Converter input Y8B-4ZJB	热流输入正 Positive heat flux	热流输入负 Negative heat flux	热沉输入正 Positive Heat sink output	热沉输入负 Negative Heat sink output	-
变换器输出 Y8B-5ZJB Converter output Y8B-5ZJB	+12V	电源地 Power earthing	-12V	信号输出 Signal output	信号地 Signal earthing

3. 主要技术指标

main technical parameters

名称 Name		热流、热沉温度传感器 温度变换器 Heat flux, heat sink temperature sensor Converter
型号 Model		CWJ-5014型 DBW-5014型
性能特性 Performance characteristics	测量范围 Temperature Range	(0 ~ 500)kw/m ²
	工作温度 Working Temperature	(0 ~ 500)°C
	激励电源 Excitation power supply	(± 12 ± 1)VDC
	重量 Weight	传感器的重量≤300克 变换器的重量≤350克 Weight of sensor MAX.300g Weight of converter MAX.350g
	外形尺寸 Outline Dimension	-
电气特性 Electrical characteristics	绝缘电阻 Insulation resistance	温度(205)°C 相对湿度不大于80% 绝缘电阻大于10M(50VDC) 温度(402)°C 相对湿度不小于90% 绝缘电阻大于2M(50VDC) Temperature (205)°C , relative humidity MAX.80%, insulation resistance MAX. 10M(50VDC) Temperature (402)°C , relative humidity MIN..90%, insulation resistance MAX2M(50VDC)
	输出阻抗 Output impedance	< 500 Ω
静态特性 Static characteristics	零位输出 Zero output	(0.1 ± 0.1)VDC
	满量程输出 Full range output	(4.9 ± 0.1)VDC
	非线性 Nonlinearity	-
	重复性 Repeatability	-
	迟滞 Delaying	-
	准确度 Accuracy	-
	过载 Overload	-
稳定性 Stability	零点漂移 Zero drift	-
	热零点漂移 Thermal Zero drift	-