

E3S-GS30xx infrared u type photoelectric sensor

Introduction

Photoelectric switch is a photoelectric proximity switch for short, it is the use of the object to be detected on the beam occlusion or reflected by the gating circuit, synchronous circuit, so as to detect objects without. Can be a photoelectric switch objects are not limited to metal, all reflect light objects can be detected. Photoelectric switch input current conversion injection into optical signals on the transmitter, receiver, and then according to the received light intensity and with or without detection of target objects.

Installation method				Trough
Model	DC type	NPN	NO	E3S-GS30E4
			NC	E3S-GS30E2
			NO+NC	E3S-GS30E42
		PNP	NO	E3S-GS30F4
			NC	E3S-GS30F2
			NO+NC	E3S-GS30F42
	AC type	Two-wire	NO	
			NC	
		Three-wire	NO	
			NC	
Detection range				30mm
Detection range adjustment				Sensitivity adjuster
Response time				1ms
Voltage				DC type: DC12-24V (6-36V) pulsation (P-P) below 10%, AC type: AC110-220V (36-250V) 50/60Hz
Withstand voltage				AC1000V 50/60Hz 1min between the charging part and the outer casing
Voltage effect				Rated power supply voltage range within $\pm 15\%$, rated power supply voltage value within $\pm 10\%$ detection distance
Current consumption				N.P type: 13 mA or less, D type: 0.8 mA or less, A type: 1.7 mA or less
Control output				N.P type: 300 mA or less, D type: 200 mA or less, A type: 400 mA or less
Loop protection				N.P.D type: reverse connection protection, surge absorption, load short circuit protection, type A: surge absorption
Ambient temperature and humidity				During operation, when saving: each -30 – $+65$ °C (no ice, no frost), during operation, when stored: each 35-95% RH
Temperature effect				Temperature range -30 – $+65$ °C, $+23$ °C, $\pm 15\%$ detection distance. Temperature range -25 - $+60$ °C, $+23$ °C, $\pm 10\%$ detection distance
Insulation resistance				50M Ω or more (DC500 megohmmeter) between the charging part and the outer casing

Material	Housing: Aluminum die-cast ABS inspection surface (lens): PMMA
Protective structure	IP67 (IEC specification)

Dimensions

Unit: mm

HL-E3S-GS30□

