











Miniature amplifier for proximity photoelectric sensor V5UE-C4

Highlights

- Laser through beam distance can reach 1-3.5M, the min. detection diameter is 0.5mm opaque;
- Laser through beam humanizing 90° design, convenient installation and debugging, infrared through beam optoelectronics;
- Infrared through beam photoelectric detection distance is 100mm and 300mm;
- M8 diffusion reflection photoelectric, detection distance up to 35mm;
- Two types of laser type and infrared through beam type;
- There are two different types of integrated and amplifier separated types;

Detection head parameter

Type			Model	Apperance(reference only)	Detection distance
Through beam type	General effect	Long detection distance	V5UE-S55		4,000mm
		Thin type	V5UE-S31 V5UE-S32		300mm
			V5UE-S56		
	PFA Case	Long detection distance	V5UE-S21		4,000mm
		Small hole built in	V5UE-S22		1,000mm
Reflection type	Diffusive reflection type	Long detection distance	V5UE-S45		400mm
			V5UE-S25		
		Narrow beam small spot	V5UE-S26		70mm
	Limited reflection type	Long detection distance	V5UE-S47		10±4mm
		Long detection distance	V5UE-S49		32~53mm

Product parameters

Model	NPN	V5UE-C4
	PNP	V5UE-C4P
Power voltage	12 to 24V DC, ripple (P-P) 1V below	
Current consumption	50mA以下	
Control output	The load voltage is below 24V DC, and the load current is below 100mA. NPN open set electric output type (residual voltage below 1V) When light in ON / when light out ON, switching mode	
Automatic on time operation function	Delay OFF, 0/40ms (switch mode)	
Ambient terperature	Action: -10 to +55 °C / saving: -25 to +70 °C, no freezing, no condensation.	
Ambient humidity	Action: 35 to 85%RH / saving: 35 to 95%RH, no condensation.	
Insulation resistance	Above 20MΩ (500V DC megabymeter)	
Voltage resistance	500V AC, 50/60Hz, 1min	
Vibration resistance	10 to 55Hz, complex amplitude 1.5mmX, Y, Z in all directions 2H	
Impact resistance	300m/s2 X、Y、Z, 3 times in each direction	
Protection grade	IEC specification, IP60 is most suitable for indoor use	
Circuit protection	Power line protection, output short-circuit protection, mutual interference prevention function	
Reaction time	Return to each 1ms	
Connection type	Terminal lead (standard conductor cable 2m)	
Material	ABS	
Weight	Approx. 80g	

