

Miniature amplifier for proximity photoelectric sensor V5UE-L10



V5UE-L10 series product parameters

Ultra small sensing head, built-in amplifier and output indicator lamp
An object that can be detected as small as the diameter of 5mm
Simple 3 wire connection

Appearance (reference only)			
Model	Type	Through beam type	
	NPN	V5UE-L10A/V5UE-L10B	V5UE-L14A/V5UE-L14B
	PNP	V5UE-L10AP/V5UE-L10BP	V5UE-L14AP/V5UE-L14BP
Detection distance		1m	3.5m
Standard detectable object		The smallest diameter is 1mm opaque	
Minimum detectable object		The smallest diameter is 0.5mm opaque	
Reaction time			
Control output		NPN Max 100mA (max 40V), residual voltage: Max 1V	
Light source		Red laser 655nm	
Circuit protection		reverse current protection, over-current protection, over-voltage protection	
Power		12~24VDC±10%	
Current consumption		max.30mA	
Protection grade		IP64	
Ambient photometry		filament lamp: maximum 3000lux, daylight: maximum 10000lux	
Ambient temperature		-20 to +55°C, no freezing	
Ambient humidity		35 to +85%, no condensation	
Case material		Amplifier: Polycarbonate / sensing head: brass plated nickel	
Weight		Approx.70g	

V5UE8-D30 product parameter

Model	Type	Diffusive reflection type
	NPN	V5UE8-D30N
	PNP	V5UE8-D30P
Detection distance		35mm (White paper30X30mm)
movement differential		Less than 20% of the detection distance
Control output		The voltage of the load power supply is below DC24, The load current is below 80mA (the residual voltage is below 1V) NPN/PNP voltage output type
light source		Infrared LED(940nm)
Power Supply		DC12-24V±10%, pulsation (P-P) 10% below
Current consumption		lower than 30mA

M8/M12 Connector



V5PN-SM8405BF



pinhole	cable color
1	brown
2	pink
3	blue
4	black

V5PN-SM12405BF



pinhole	cable color
1	brown
2	pink
3	blue
4	black

