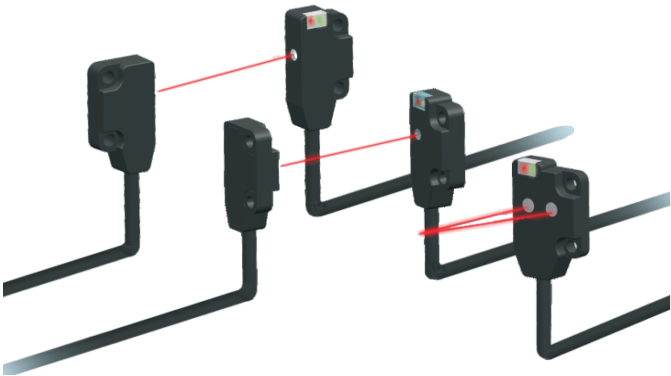


# Miniature slim type proximity photoelectric sensor V5UE-13 series

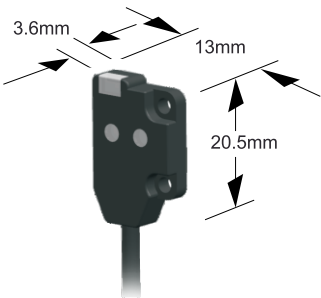


■ Highlights

- Economical solution for numerous applications ;
- Ultra thin and ultras mall sensors size ;
- Red or infrared light source ;
- Variants with angled light exit ;
- Robust ABS housings (IP 66) ;
- 2 through holes for mounting

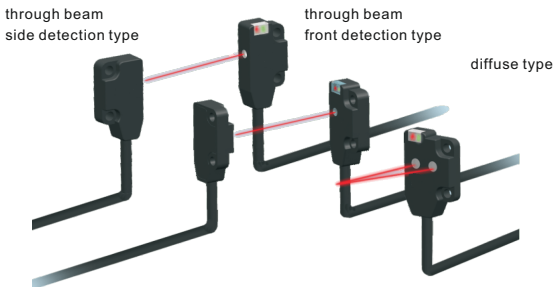
■ Ultra thin and ultra small size

Small size, only need to have a small space, can be installed everywhere.



■ Flexible installation

The diffuse reflection sensor is front detection type, while the through beam type sensor has two types: front detection type and side detection type



■ Clear two color indicator



Two color indicator  
Red: power indicator  
Green: working status indicator

■ Product parameters

Type		Diffuse	Through beam			
		Front detect	Front detect		Side detect	
Model	NPN	V5UE-13RN	V5UE-13DN	V5UE-13DTN	V5UE-13LN	V5UE-13LTN
	PNP	V5UE-13RP	V5UE-13DP	V5UE-13DTP	V5UE-13LP	V5UE-13LTP
Appearance						
Sensing range	1 to 22mm (white paper) 4 to 10mm (black paper) 300mm					
Sensing object	φ1mm Opaque objects					
Hysteresis	15% max.					
Response time	1ms max.					
Light source	red LED					
Power voltage	12~24VDC±10%					
Current consumption	25mA max.					
Indicator	Power indicator: red, output indicator: green					
Circuit protection	Reverse electrode protection, short circuit protection					
IP code	IP66					
Ambient illumination	Incandescent lamp : 3000lx max., sunlight: 10000lx max.					
Ambient temperature	-25~+55°C					
Ambient humidity	35~85%RH					
Vibration resistance	10 to 55Hz, composite amplitude of 1.5mm, 2 hours in X, y and Z directions					
Impact resistance	500m / S <sup>2</sup> 3 times in X, y and Z axis directions					
Connection type	cable 2M					
Shell material	shell ABS					

■ Product type