

PU05 series—Button type photoelectric sensor



- Button-style design, unaffected by the material, color, or reflectivity of the detected object;
- Compact size and slim profile enable installation in tight spaces;
- Suitable for fixture positioning and limit detection processes with low precision requirements;
- Equipped with 4-directional indicator lights, delivering excellent optical visibility performance;
- Mechanical lifespan exceeding 5 million cycles;
- A high-flexibility drag chain cable is optional;

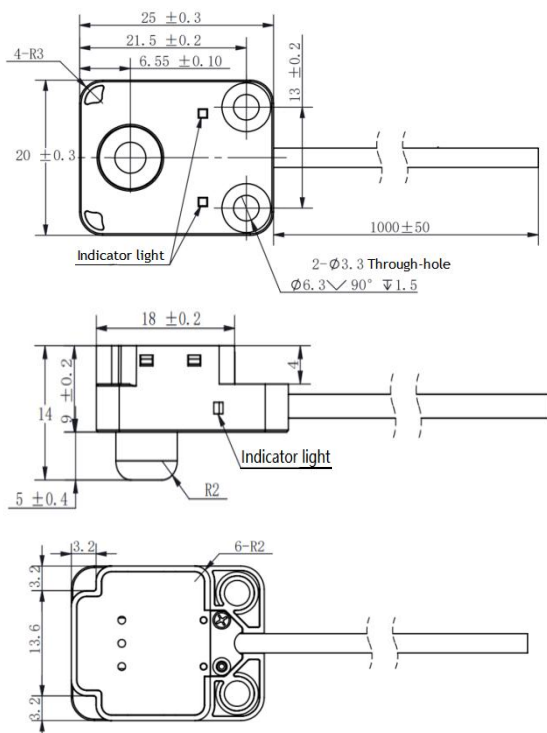
Model specification

	1 m PVC cable	1 m drag chain cable		1 m PVC cable	1 m drag chain cable
NPN NO	PU05-TGNO-B	PU05-TGNO-BR	NPN NC	PU05-TGNC-B	PU05-TGNC-BR
PNP NO	PU05-TGPO-B	PU05-TGPO-BR	PNP NC	PU05-TGPC-B	PU05-TGPC-BR

Specification

Operating Position	3~4mm (Signal flipping within 3-4mm)	Output indication	Red indicator light
Action load	<3N	Temperature range	Operating: -20~+55℃, storage: -30~+60℃
Supply voltage	12...24 VDC	Humidity range	Operating: 5~85%RH, storage: 5~95%RH
Consumption current	<15mA	Mechanical life	≥ 5 million times
Pressure drop	<1.5V	Vibration	5 min, 10~55Hz, Amplitude 1mm
External input	Projection OFF: 0V short circuit or below 0.5V Projection ON: open	Impact resistance	500m/s ² , three times per X, Y, Z directions
Load	<100mA	Protection grade	IP40
Response time	<1ms	Material	PC
Protection circuit	Polarity protection, overload and zenere protection	Connection method	1 meter PVC / drag chain cable
		Accessories	M3*8mm screw (2 pieces)

Dimension



Wiring diagram

