



Feature

- Small size, Response faster more than 1kHz
- Suitable for detect small object
- Anti-light interference strongly



Feature

- Grooved-type photoelectric sensor with built-in amplifier
- 1ms response time, suitable applying in packaging industry
- 3cm slot width(sensing distance)
- Light-ON/Dark-ON switchable

PW34
Series
PW34 Series
PW35 Series
PW36 Series

- NC
Output Mode
NC: NPN
PC: PNP

Detect Type	Connection Method	Sensing Distance	Operation Mode	Type		
Slot-type	Pre-wired cable	10mm	Light-ON/ Dark-ON (Switchable)	NPN	PW34-NC	
		15mm		PNP	PW34-PC	
				30mm	NPN	PW35-NC
					PNP	PW35-PC
				30mm	NPN	PW36-NC
		PNP			PW36-PC	

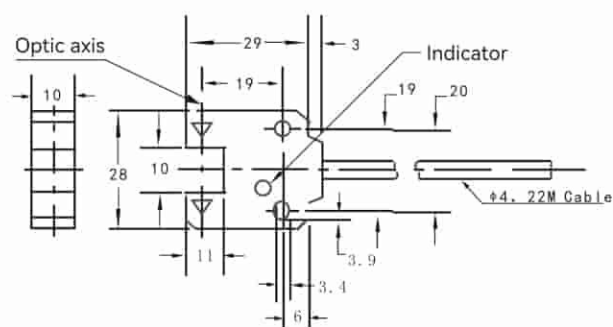
Specifications

Standard Sensing Object		Opaque object: 3mm	Opaque object: 6mm
Sensing Object Min.		Opaque object: 2mm	Opaque object: 3mm
Light Source (Wavelength)		Infrared LED (950nm)	
Power Supply Voltage		12~24VDC Ripple ±10 %max.	
Current Consumption		40mA max.	
Response Time		1ms max.	
Output Control		Light-ON/Dark-ON switchable through wiring	
Protect Circuit		Polarity protection, Load short-circuit protection	
Ambient Illumination		Sunlight: 10000 LX; Incandescent light: 3000 LX	
Ambient Temperature Range		Operating: -25~+55℃	
		Storage: -40~+70℃ (With no icing and condensation)	
Ambient Humidity Range		Operating: 35~85%RH	
		Storage: 35~95%RH (with no condensation)	
Insulation Resistance		20MΩ min. (DC500V)	
Dielectric Strength		1500VAC 50/60Hz 1min	
Vibration Resistance	Durability	10~55Hz 1.5mm double amplitude for 2 hours each in X、Y、Z direction	
Shock Resistance	Durability	500ms ² , 10 times each in X、Y、Z direction	
Protection class		IEC-IP65	
Materials	Case	ABS	
	Lens	Polycarbonate	
	Indicate window	Polycarbonate	
Connection Method		Pre-wired cable (2m: 3×0.75mm²)	

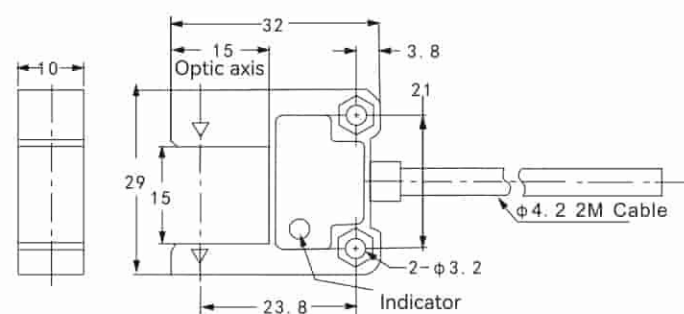
Dimension Diagram

Unit: mm

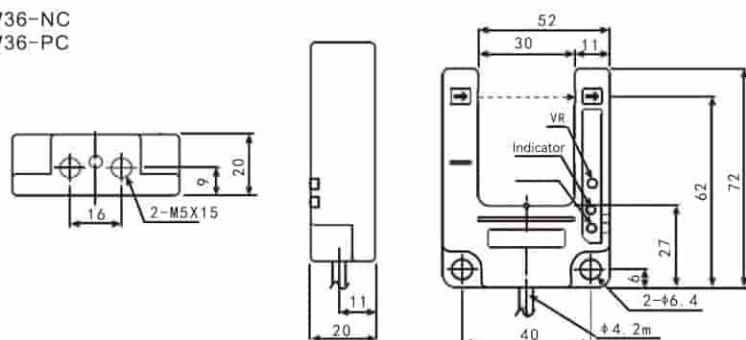
PW34-NC
PW34-PC



PW35-NC
PW35-PC



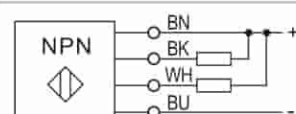
PW36-NC
PW36-PC



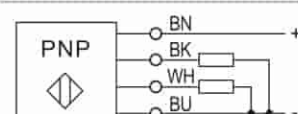
Wiring Diagram

PW34 Series
PW35 Series

NPN LO+DO

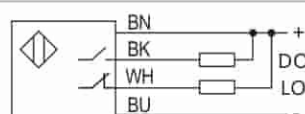


PNP LO+DO



PW36 Series

NPN LO+DO



PNP LO+DO

