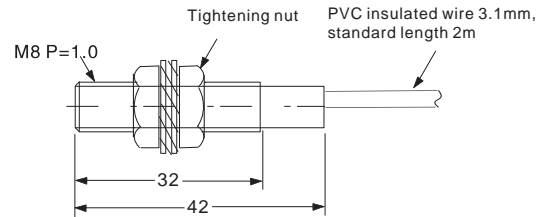
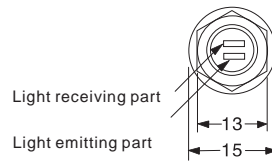


DPC08 Series



Unit: mm

Model		Electrical Data	
NPN	DPC08-D03NO	Switch mode	Light.on (Light Action)
PNP	DPC08-D03PO	Output mode	NPN or PNP open collector
Basic Features		Response time	3ms
Working principle	Photoelectric Sensors	Switching frequency	0.67kHz
Enclosure style	Cylindrical	Repeatability	5%
How optics work	Reflection	Hysteresis (Return Response)	≤20%
Detection distance	30mm (white paper 30x30mm)	Operating voltage	12~24V DC±10%
Spot size	N/A Infrared	Current consumption	≤30mA
Detection	White paper 30x30mm	Residual voltage	≤2.0V(50mA)
light source	Infrared light 940nm	Load current	50mA
Light	No display	Insulation resistance	Between power terminal and housing≥20MΩ (500VDC)
Sensitivity regulation	None	Resistance	500VAC (50/60Hz) for 1 minute between power terminal and housing
Environmental Conditions		Protection circuits	Short circuit protection/reverse polarity protection/mutual interference protection
Operating ambient temperature	-25~+55°C (no freezing)	Mechanical Data	
Storage temperature	-30~+70°C(no freezing)	Maximum tightening torque	/
Humidity of the working environment	30~85%RH (no condensation)	Connection	2m/3 core cable
Store humidity	35~95%RH (no condensation)	Size	M8x42.0mm
Ambient illumination	Incandescent lamps ≤ 3000 Lux; LED lights ≤ 1000 Lux; Sunlight ≤ 10000 Lux	Material	Stainless steel
Anti_vibration	10~55Hz, amplitude 1.5mm, X/Y/Z axis, 2 hours each	Weight	Approximately 0.08 kg
Ingress protection	IP65	Fittings	Nut M8x1

Wiring Diagram

