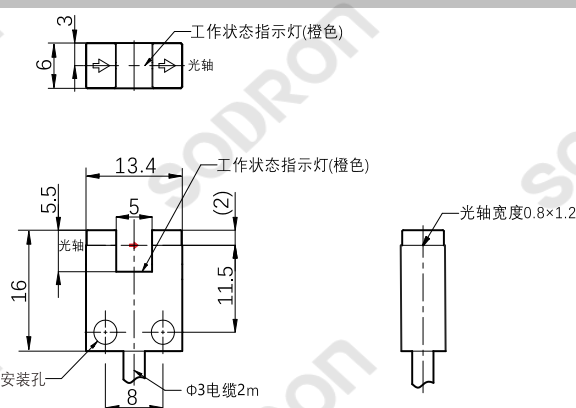




Dimension



Model	Technical Parameters	
PU-U28 PU-U28P	Sensing mode	Through-beam
	Model	NPN PNP
	Output mode	Light-ON+Dark-ON
	Sensing distance	5mm(slot width)
Product Features	Sensing material	Opaque object of 1.2 × 0.8 mm or larger
	Light source	Infrared emission at 940 nm
• Through-beam type • Fast response and high frequency • IEC IP64	Differential	<0.05mm
	Repeat accuracy	<0.01mm
	Power supply voltage	5–24 V DC ±10% or less
	Residual voltage	1 V or less (when the load current ≤ 50 mA)
Output Circuits	Power consumption	<15mA
	Load current	≤50mA
NPN	Circuit protection	Reverse polarity connection、Short circuit protection、Overload protection
	Response frequency	> 1kHz
	Indicator light	Action indicator light: Orange LED
	Connection	Cable 2m
PNP	Ambient Temperature	Work: -25 ~ +55°C; Storage: -30 ~ +80°C, No dew condensation or icing allowde
	Ambient Humidity	Work: 5 ~ 85%RH, Storage: 5 ~ 95%RH, No dew condensation
	Ambient illumination	Sunlight: 10,000Lx Lamplight: 3,000Lx
	Anti-vibration	10 ~ 55Hz double-amplitude 1.5mm,X,Y,Z(2H)/10 ~ 55Hz
	Withstand voltage	Between the entire live part and the housing: 1000 V AC, 50/60 Hz, for 1 minute
	Insulation resistance	20 MΩ or more (tested with a 500 V DC megohmmeter) between the entire live part and the housing
	Shock resistance	500m/S ² X,Y,Z 3 times
	Protection degree	IEC IP64
Material	Housing	PBT
	Display cover	PC