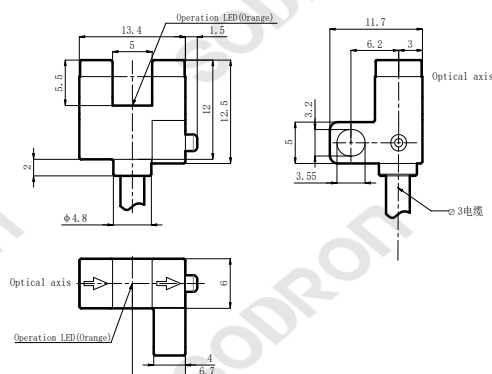




### Dimensions



Model	Technical parameters	
PU-R28 PU-R28P	Detection method	Through-beam
	Model	NPN PU-R28 PNP PU-R28P
<b>Product Features</b> <ul style="list-style-type: none"> <li>Through-beam type</li> <li>Fast response and high frequency</li> <li>IEC IP64</li> </ul>	Output mode	Light-ON+Dark-ON
	Sensing distance	5mm(slot width)
	Standard target	Opaque object of 1.2 × 0.8 mm or larger
	Light source	Infrared emission at 940 nm
	Differential	<0.05mm
	Repeat accuracy	<0.01mm
	Supply power	5~24 V DC ±10% or less
	Residual voltage	1 V or less (when the load current ≤ 50 mA)
	Current consumption	<15mA
	Load current	≤50mA
<b>Connection</b> <p>NPN</p> <p>PNP</p>	Circuit protection	Reverse polarity connection、 Short circuit protection、 Overload protection
	Response frequency	≥1kHz
	Indicator light	Action indicator light: Orange LED
	Connection	Cable 2m
	Ambient Temperature	Work: -25 ~ +55°C; Storage: -30 ~ +80°C, No dew condensation or icing allowed
	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 1.5mmX,Y,Z 2h
	Withstand voltage	1000VAC,50/60Hz 1min between current-carrying parts and case
	Insulation resistance	≥ 20 MΩ (500 VDC, terminals to housing)
Impact resistance	500 m/s <sup>2</sup> (X, Y, Z directions, 3 times)	
Protection degree	IEC IP64	
Material	Housing	PBT
	Display cover	PC