

[illegible]

Technical Parameters

Sensing mode	Through-beam	
Model	NPN	PU-F28
	PNP	PU-F28P
Output mode	Light-ON+Dark-ON	
Sensing distance	5mm(slot width)	
Standard target	> 1.2*0.8mm (Opaque object)	
Light source	940nm infrared light	
Differential	<0.05mm	
Repeat accuracy	<0.01mm	
Power supply voltage	5–24 V DC $\pm 10\%$ or less	
Residual voltage	1 V or less (when the load current ≤ 50 mA)	
Power consumption	<15mA	
Load current	≤ 50 mA	

- Through-beam type
- Fast response and high frequency
- IEC IP64

Circuit protection	Reverse polarity connection、Short circuit protection、 Overload protection	
Response frequency	> 1kHz	
Indicator light	Action indicator light: Orange LED	
Connection	Cable 2m	
Temperature	Work: -25 ~ +55℃; Storage: -30 ~ +80℃, No dew condensation or icing allowde	
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