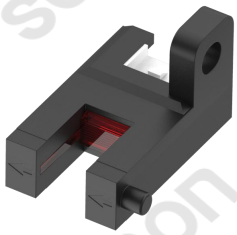
SODRON

Photoelectric Sensors



CE

Model

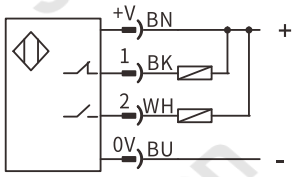
PU-F68
PU-F68P

Product features

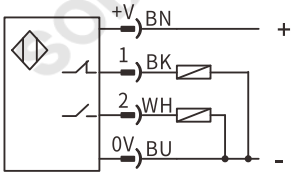
- Through beam
- Fast response，High frequency
- IEC IP40

Connection

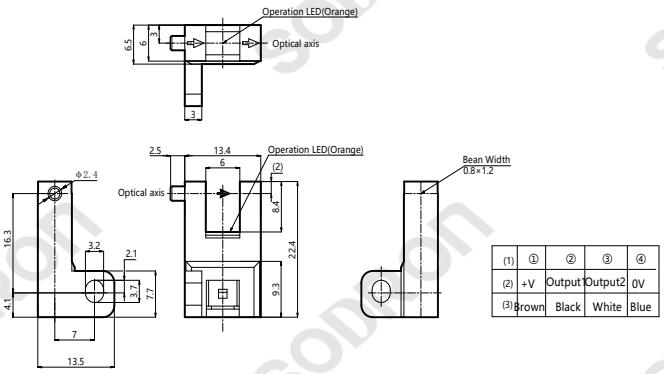
NPN



PNP



Dimensions



Technical parameters

Detection method		Through beam
Model	NPN	PU-F68
	PNP	PU-F68P
Output mode		Light-ON+Dark-ON
Sensing distance		Slot Width: 6mm
Standard target		＞1.2*0.8mm（Opaque object）
Light source		940nm infrared light
Differential		<0.05mm
Repeat accuracy		<0.01mm
Supply power		＜5-24V DC±10%
Residual voltage		＜1V (Load Current：≤50mA)
Current consumption		<15mA
Load current		≤50mA
Circuit protection		Reverse polarity connection、Short circuit protection、overload protection
Response frequency		＞1kHz
Indicator light		Output LED：orange LED
Connection		Connector type
Ambient temperature		Work:-25℃~+55℃ Store:-30℃~＋80℃(No dew condensation or icing allowed)
Ambient humidity		Work：5～85%RH，Store：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 housings)
Impact resistance		500 m/s² (X, Y, Z directions, 3 times)
Protection degree		IEC IP40
Material	Housing	PBT
	Display Cover	Polycarbonate (PC)