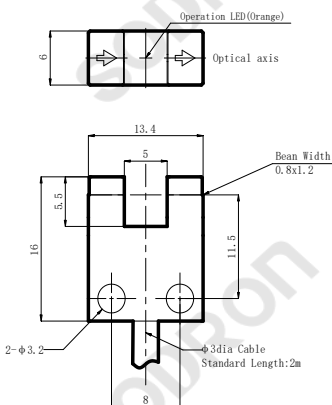




Dimensions



Model

PU-U28
PU-U28P

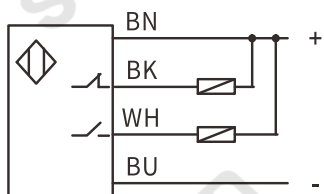
Technical parameters

Product Features

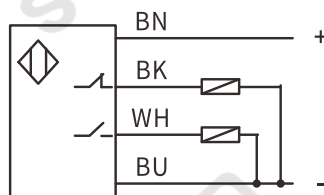
- Through-beam type
- Fast response and high frequency
- IEC IP64

Connection

NPN



PNP



Detection method	Through-beam
Model	NPN PU-U28 PNP PU-U28P
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
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 housings)
Impact resistance	500 m/s ² (X, Y, Z directions, 3 times)
Protection degree	IEC IP64
Material	Housing PBT Display cover PC