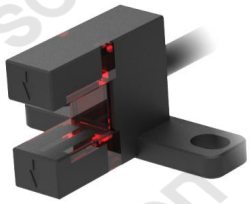
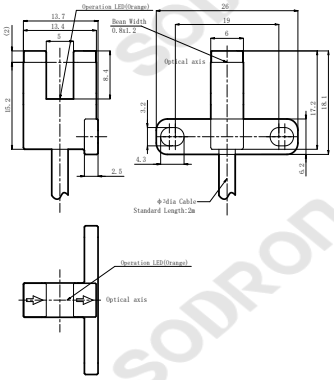
SODRON

Photoelectric Sensors



CE

Dimensions



Model

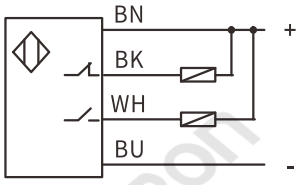
PU-T58
PU-T58P

Product features

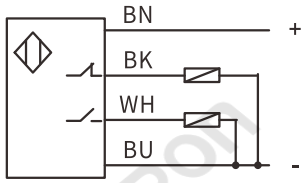
- Through-beam type
- Fast response and high frequency
- IEC IP64

Connection

NPN



PNP



Technical parameters

Detection method		Through-beam
Model	NPN	PU-T58
	PNP	PU-T58P
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%
Residual voltage		< 1 V (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℃；Storage：-30～+80℃(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
Insulationm resistance		≥ 20 MΩ (500 VDC, terminals to housings)
Impact resistance		500 m/s² (X, Y, Z directions, 3 times)
Protection degree		IEC IP64
Material	Housing	PBT
	Display cover	PC