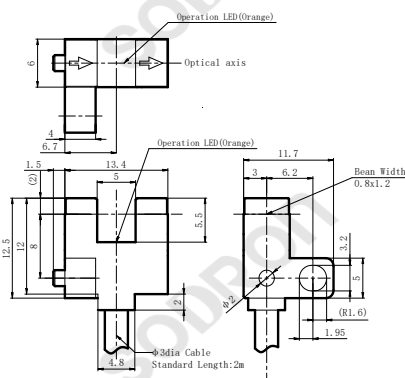




Dimensions



| Model | Technical parameters | | |
|-------------------|-----------------------|--|---------------------------------|
| PU-F28 PU-F28P | Detection method | Through-beam | |
| | Model | NPN PU-F28 PNP PU-F28P | |
| Product features | 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 | |
| Connection | 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 | |
| NPN | 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 | |
| | PNP | Material | Housing PBT Display cover PC |

