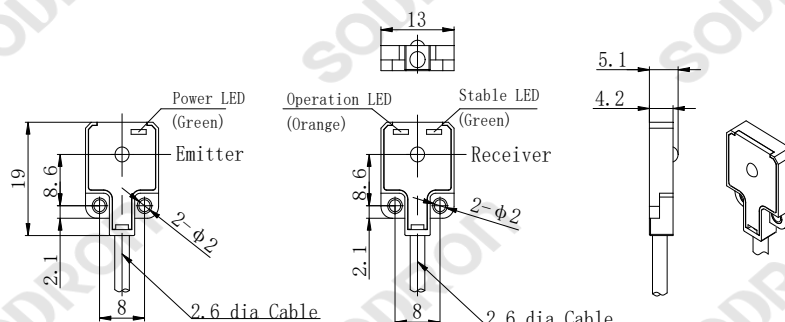




Dimensions



| Model | Technical parameters | | |
|--|---------------------------|---|------------------------------------|
| | Detection method | Through-Beam Type | |
| PF12-T01BNOS(E) PF12-T01BNCS(E) PF12-T01BPOS(E) PF12-T01BPCS(E) | Model | NPN PF12-T01BNOS(E) PNP PF12-T01BPOS(E) | PF12-T01BNCS(E) PF12-T01BPCS(E) |
| | Output method | Dark-ON | Light-ON |
| Product features | Detection distance | 1m | |
| | Standard detection object | $\geq \Phi 2.5\text{mm}$ (Opaque Object) | |
| | Light source | Red LED 630nm | |
| <ul style="list-style-type: none"> Through-Beam type Visible Red Light source for easy Alignment IEC IP65 | Power supply voltage | DC 12 ~ 24V $\pm 10\%$, impulse (P-P) < 10% | |
| | Residual voltage | < 1V (Load Current $\leq 50\text{mA}$) | |
| | Current consumption | < 15mA | |
| Connection | Load current | $\leq 50\text{mA}$ | |
| Emitter | Circuit protection | Power Reverse Connection Protection, Short Circuit Protection | |
| | Response time | < 1ms | |
| | Indicator lights | Output LED: Orange LED Power/stable: Green LED | |
| | Connection method | Cable 2m | |
| | Ambient temperature | Work: $-25 \sim +55^\circ\text{C}$; Store: $-30 \sim +70^\circ\text{C}$, (No dew condensation or icing allowed) | |
| | Ambient humidity | Work: 35 ~ 85%RH, Store: 35 ~ 95%RH, (No dew condensation) | |
| | Ambient illumination | Sunlight: 10,000Lx lamplight: 3,000Lx | |
| | Vibration resistance | 10~55Hz double-amplitude 1.5mmX,Y,Z 2h | |
| | Withstand voltage | 1000 VAC, 50/60 Hz, 1 min. | |
| | Insulation resistance | > 20M Ω (DC500V megger) between current-carrying parts and case | |
| | Shock resistance | 500m/s ² X,Y,Z, directions for 3 times | |
| | Protection class | IEC IP65 | |
| Receiver | Housing | PBT+ABS | |
| NPN | Lens | PC | |
| | Accessories | Mounting Screws: 1 Set | |
| PNP | | | |
| | | | |