Plastic square shape photoelectric sensors **PSJ** series



Features

- ◆Through beam reflection working principle;
- ◆Excellent anti-interference performance
- ◆High detection accuracy

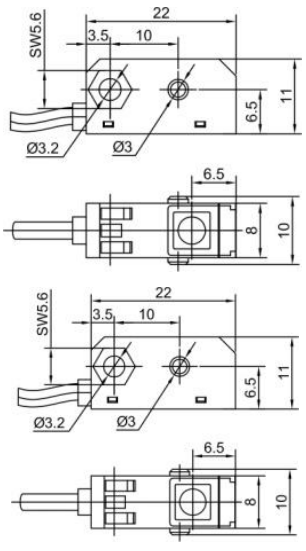
Part number

		Emitter	Receiver			Emitter	Receiver
NPN	NO	PSJ-TM15T	PSJ-TM15TNO	PNP	NO	PSJ-TM15T	PSJ-TM15TPO
NPN	NC	PSJ-TM15T	PSJ-TM15TNC	PNP	NC	PSJ-TM15T	PSJ-TM15TPC

Technical specifications

Detection type	Through beam	Consumption current	≤20mA
Rated distance [Sn]	1.5m (non-adjustable)	Circuit protection	Reverse polarity
Standard target	＞φ6mm opaque object	Response time	＜1ms
Light source	Infrared LED (850nm)	Output indicator	Receiver: Red LED
Dimensions	22 mm *11 mm *10mm	Ambient temperature	-20℃…+55℃
Output	NO/NC (depends on part No.)	Ambient humidity	35-85%RH (non-condensing)
Supply voltage	12…24VDC	Voltage withstand	1000V/AC 50/60Hz 60s
Min target	……	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	……	Vibration resistance	10…50Hz (0.5mm)
Repeat accuracy [R]	……	Degree of protection	IP40
Load current	≤100mA (receiver)	Housing material	PC/ABS
Residual voltage	≤2.5V (receiver)	Connection type	2m PVC cable

Dimensions



Emitter

Receiver

Wiring diagram

