

Color mark sensor SPM series



Features

- Multiple circuit protection measures to ensure stable and safe use of the product: reverse polarity protection surge protection, Short circuit protection
- Clear indication method: yellow LED display can check sensor status
- Selection of excellent components and strict production control process to ensure long life and high reliability of the product
- Economical use cost, easy operation and wide application



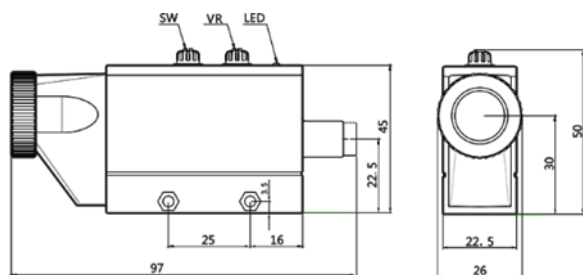
Model specification

NPN NO+NC	SPM-TNR-WB	SPM-TNR-RG
PNP NO+NC	SPM-TPR-WB	SPM-TPR-RG

Specifications

Light source	Visible white/blue light Visible red/green light	Protection circuit	Surge, Short circuit, and reverse polarity protection
Type	Focused	Output indication	Yellow LED
Switch composition	Transmitter and receiver integrated	Ambient temperature	-25°C...55°C
Detection distance	10±2mm	Environment humidity	35-85%RH
Supply voltage	12...24VDC	Withstand voltage	1000V/AC 50/60Hz 60s
Spot diameter	< 1.5mm	Insulation resistance	≥ 50MΩ(500VDC)
Response time	> 1ms	Vibration resistance	Complex amplitude 1.5mm 10...50Hz
Hysteresis range	1...15%		(2 hours each in X, Y, and Z directions)
Repetitive error	≤ 3%	Protection degree	IP65
Load current	≤ 200mA	Housing material	PBT
Residual voltage	≤ 2.5VDC	Connection type	2m PVC Cable
Consumption current	≤ 45mA		

Dimensions



Circuit Diagrams

