

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

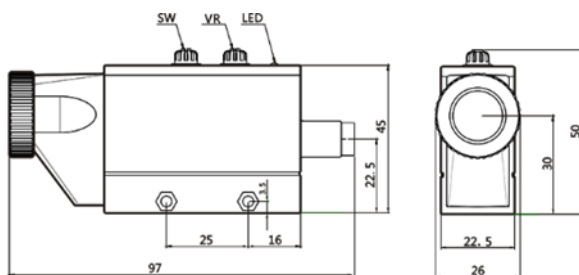
Model specification

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 (2 hours each in X, Y, and Z directions)
Hysteresis range	1...15%		Protection degree	IP65
Repetitive error	≤3%		Housing material	PBT
Load current	≤200mA		Connection type	2m PVC Cable
Residual voltage	≤2.5VDC			
Consumption current	≤45mA			

Dimensions



Circuit Diagrams

