SPN-BC50 series color mark sensor



Features

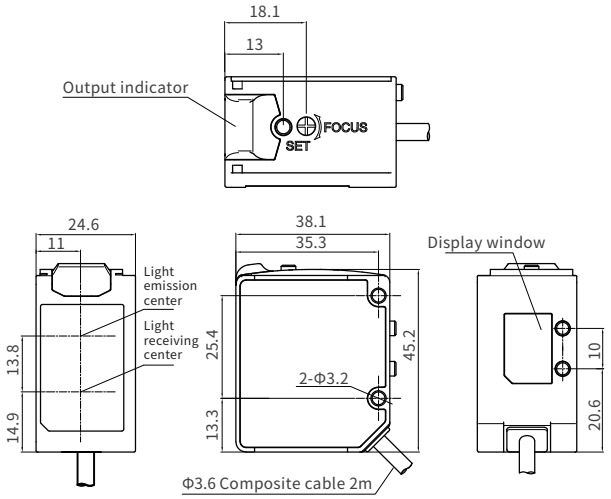
- White light source, wide wavelength range, stably detect differences of colors;
- Background suppression function;
- Capable of long-distance detection;
- Good anti-vibration performance;
- Equipped with a variety of protection circuits.

Model specification

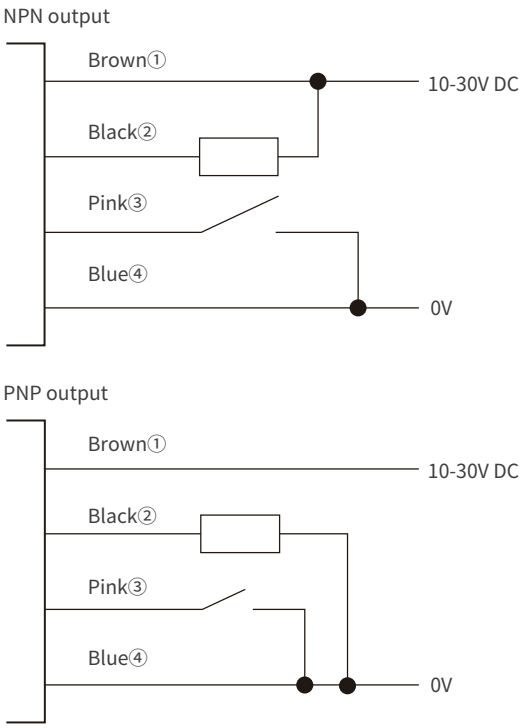
NPN/PNP NO/NC SPN-BC50DEB-W

Detection distance	50-500mm	Timer	OFF/ON delay/OFF delay/One-shot
Spot size	3.5mm@10mm，9mm@250mm	Control output	NPN/ PNP, NO/NC
	20mm@500mm	External input	Tuning /Transmission OFF selectable
Response time	0.2ms/1ms/10ms/100ms/500ms	Protection circuit	Reverse polarity, surge and overcurrent protection
Light source	White LED	Ambient light	Incandescent lamp: <10000lux, sunlight: <20000lux
Reduce mutual interference function	Up to 2 units with alternate frequencies set	Ambient temperature/ humidity	-20-50°C, 35-85%RH (non-condensing)
Supply voltage	10-30V DC, ripple (P-P) 10%	Material	Case: zinc casting chrome, indicator cover: PPSU, button: stainless steel
Consumption current	＜100mA at 12V	Shock resistance	1000m/s² X, Y, Z axis directions respectively 6 times
	＜50mA at 24V	Weight	128g

Dimensions



Wiring diagram



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