

BZJ series color mark sensor

Model and meaning

B Z J - -

1 2 3 4 5 6

- 1: Color mark sensor
- 2: Design program: 1, 2, ...
- 3: Class to light path: 1. coaxial, 2. non coaxial
- 4: Class to light source: 1. single light source, 2. double light source
- 5: Color of light source: R: white, G: green
- 6: Class to logic: N-NPN, P-PNP

General introduction

BZJ series Color Mark Sensor applies the light emitting and receiving principle. It will send out modulating light, receive the reflecting lights from detected object, and distinguish the color or recognize the existence of objects according the intensity of the receiving signals. It can serve for sensor in the automatic control systems for packing machinery, printing machinery, texture and paper making machinery etc and be used with other instruments to detect the existence of the object marked with color code, pattern code, line or others. It has the functions of self-locating, recognizing color, rectifying deviation, pattern checking, countering. The sensor applies optical technique, semi-conductor electronic technique, modulation demodulation and has the features of high sensitivity, quick response speed, strong anti-background interference, compact structure and convenient operation etc.

Specification

Model	BZJ-211	Model	BZJ-311
Size(mm)	85x57x28	Size(mm)	38x62x100
Supply voltage	10-30VDC	Supply voltage	10-30VDC
Ambient temperature	0-50 ℃	Ambient temperature	0-50 ℃
Detecting method	Coaxial reflection	Detecting method	Coaxial reflection
Sensing distance	10mm ± 2mm	Sensing distance	9mm
Chromatogram light	Red, Green, Blue, White	Chromatogram light	Red, Green, Blue, White
Facula	Circular	Facula	Circular
Response time	50us	Response time	50us
Output current	<200mA	Output current	<200mA
Output type	NPN	Output type	NPN
Shell material	Metal	Shell material	Metal
Cable length	2m	Cable length	2m

Model	Z3N-TB22	Model	KSC-2
Size(mm)	28x48x80	Size(mm)	22x63x89
Supply voltage	10-30VDC	Supply voltage	10-30VDC
Ambient temperature	-15-65 ℃	Ambient temperature	-20-70 ℃
Detecting method	Coaxial reflection	Detecting method	Coaxial reflection
Sensing distance	10mm ± 2mm	Sensing distance	10mm ± 3mm
Chromatogram light	Red, Green, Blue, White	Chromatogram light	Red, Green, Blue, White
Facula	Circular	Facula	Circular
Response time	0.1-1ms	Response time	0.25-1ms
Output current	<200mA	Output current	<200mA
Output type	NPN or PNP	Output type	NPN or PNP
Shell material	Metal	Shell material	Plastic
Cable length	2m	Cable length	2m



BZJ-211



BZJ-311



Z3N-TB22



KSC-2