
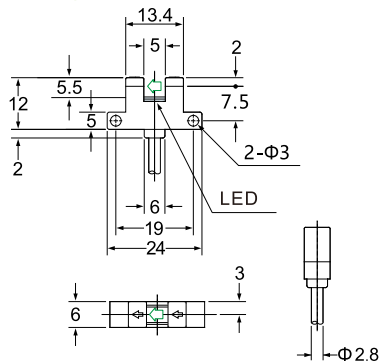


Appearance						
Shape	K shape	L shape	F shape	R shape	U shape	
Sensing distance	5mm (Slot width)					
Standard sensing object	Opaque objects (Size: > 1.2*1.8mm)					
Repeat accuracy	< 0.03mm					
Output type	NPN or PNP open–collector					
Switch type	Selectable L.on/D.on					
Indicator	Light off when objects are detected; light on when no objects are detected					
Response frequency	3KHz					
Light source	Infrared LED (940nm)					
Operating voltage	5~24V DC					
Voltage drop	< 1V(Load current 50mA)					
Current brightness	≤ 16mA					
Protective circuit	Surge protection , Reverse polarity protection					
Ambient brightness	Incandescent lamp< 1000 Lux					
Ambient temperature	Operation:–25℃~+55℃, Storage: –30℃~+80℃,no freezing					
Ambient humidity	Operation:5%~85%, Storage: 5%~95%, no condensation					
Withstand voltage	AC, 1000V for 1 minute, between all power connection terminals and housing					
Anti-vibration	10 to 55 Hz with 1.5mm amplitude for 2 hours each in X, Y, and Z directions					
Insulation resistance	20MΩ or more between all power connection terminals and housing (based on DC250V)					
Degree of protection	IP50					
Material	ABS					
Connection method	2M 4core cable					
Model No.	NPN	XSK-206NA-W	XSL-205NA-W	XSF-202NA-W	XSR-204NA-W	XSU-201NA-W
	PNP	XSK-206PA-W	XSL-205PA-W	XSF-202PA-W	XSR-204PA-W	XSU-201NP-W

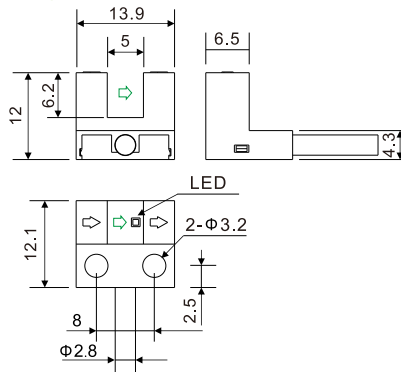
Dimensions

Unit: mm

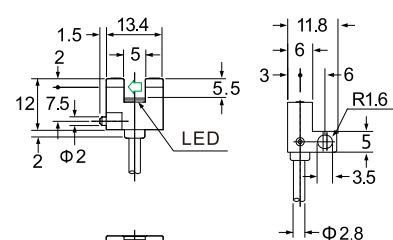
K Shape



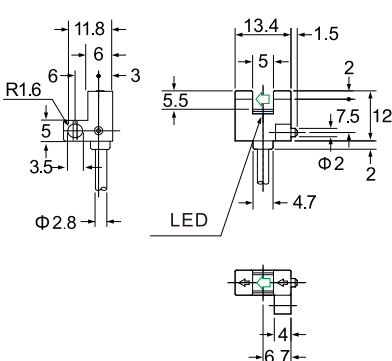
L Shape



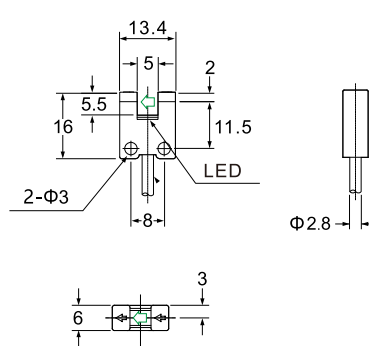
F Shape



R Shape



U Shape



Guidance

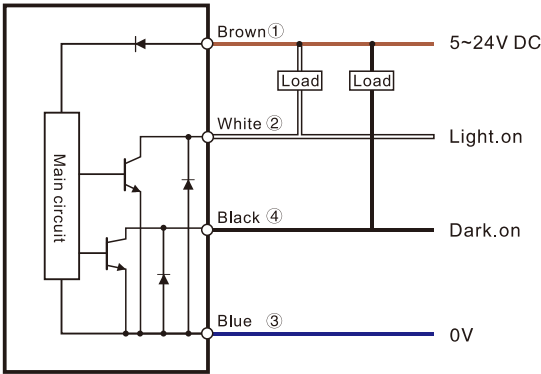
Slot type sensors

Micro slot type
Slot type
Wide slot type
Label detection

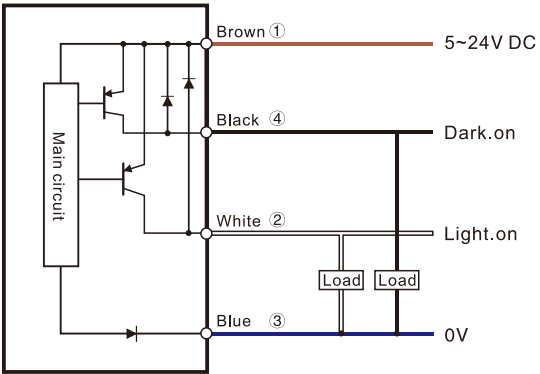
Micro Slot Type

Circuit diagram

NPN



PNP



Fiber Optic
Slot Sensors
Photoelectric
Laser
Proximity
Displacement
Magnetic
Contact
Area
Ultrasonic
Vision
Vibration
Temperature
Annexes

Guidance

Slot type sensors
Mirco slot type
Slot type
Wide slot type
Label detection