

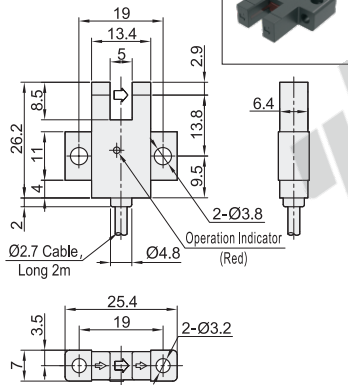
Slot Sensors

Standard Type • Integrated

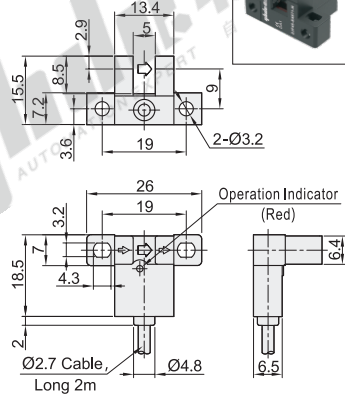
Groove Width 5mm, Cost-Effective

Code	Type	Groove Width
ZJF45	Standard Type Integrated	5mm

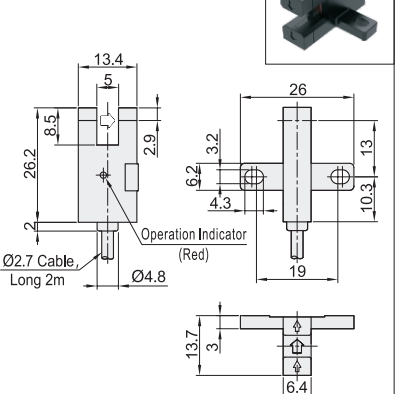
ZJF45-SX670-N/P



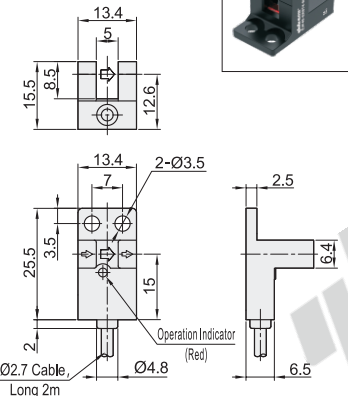
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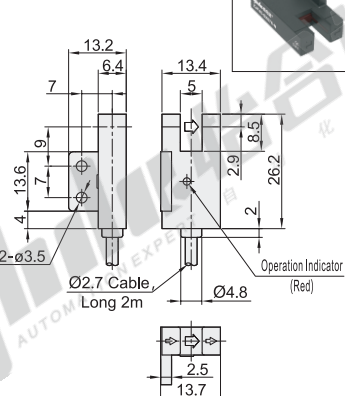
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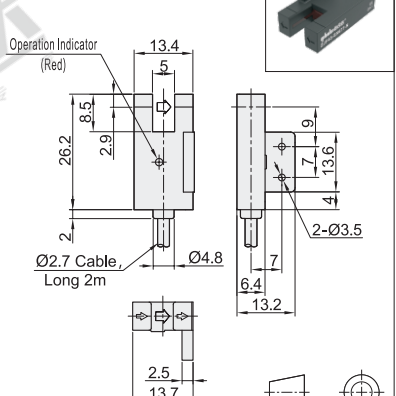
ZJF45-SX674-N/P



ZJF45-SX676-N/P



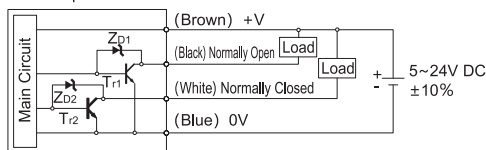
ZJF45-SX677-N/P



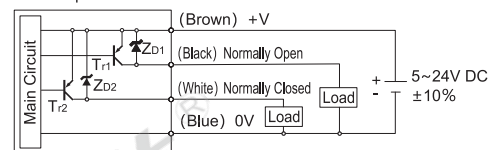
The first perspective

Circuit Diagram

NPN Output



PNP Output



Technical Parameters

Detection Distance	5mm
Minimum Detectable Object	0.8×1.8mm, opaque objects
Movement Differential	0.05mm below
Repeatability	0.03mm below
Supply Voltage	5~24V DC ±10%, pulsation P-P10% below
Consumption Current	15mA below
Output	NPN/PNP open collector transistor Maximum inflow current: 50mA, applied voltage: 30V DC below Residual voltage: 0.7V below (inflow current 50mA), 0.4V below (inflow current 16mA)
Response Time	Light on: 20μs below, dark on: 100μs below (response frequency: 1KHz above)
Indicator Light	Red LED (lights on when entering light)
Ambient Temperature	Operating: -25°C~+55°C, storage: -30°C~+80°C, with no icing or condensation
Ambient Humidity	Operating: 35%~85%RH, storage: 35%~85%RH, with no condensation
Ambient Illumination	Fluorescent light: light-receiving surface luminance 1000LX
Voltage Resistance	AC1000V 1 minute, between current-carry parts and case
Insulation Resistance	Between current-carry parts and case, 50MΩ above (at DC250V)
Vibration Resistance	Frequency 10~2000Hz, double amplitude 1.5mm, 2 hours each in X, Y, Z direction
Shock Resistance	Acceleration 15000m/s ² (about 1500G), 3 times each in X, Y, Z direction
Material	Case: PBT, Slit cover: Polycarbonate

Part Number		Output Mode
Code	Specifications	
ZJF45	SX670	N (NPN)
	SX671	
	SX672	
	SX674	P (PNP)
	SX676	
	SX677	



Please order as shown

Part Number	Specifications	Output Mode
ZJF45	SX670	N(NPN)
	SX671	
	SX672	

ZJF45—SX670—N