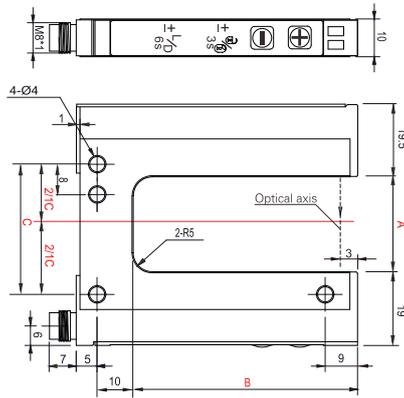


Wide Slot Type

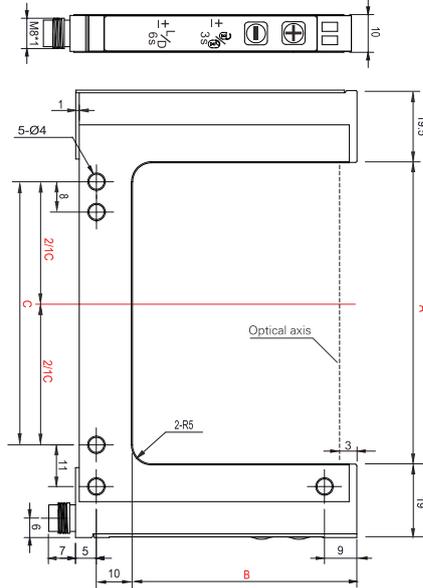
KLM Series



Basic Features	Working principle	Photoelectric sensor			
	Housing style	Shape U			
	Optical working principle	Through-beam			
	Light source	Red laser, 670nm (modulated)			
	Slot width	30mm	50mm	80mm	120mm
	Slot depth	42mm	59mm		
	Detecting object	0.05mm			
	Indicator light	Output function: Red LED, operational status: Green LED			
Electrical data	Switching mode	L.on (light-on action)/D.on (dark-on action) switchable			
	Output mode	NPN or PNP collector open			
	Response time	0.1ms			
	Switching frequency	20kHz			
	Repeat accuracy	<0.01mm		<0.2mm	<0.01mm
	Hysteresis	<0.01mm		<0.2mm	<0.01mm
	Operating voltage	12~24V DC ± 10%			
	Power consumption	≤ 40mA			
	Residual voltage	≤ 2.0V(100mA)			
	Load current	≤ 100mA(24VDC)			
	Insulation resistance	≥ 50MΩ(500VDC)			
	Withstand voltage	1000VAC (50/60Hz)			
	Protection circuit	Reverse polarity protection/short-circuit protection			
	Environmental conditions	Operating temperature	-20~50°C(no freezing)		
Storage temperature		-30~80°C(no freezing)			
Operating humidity		35~85%RH(no condensation)			
Storage humidity		35~95%RH(no condensation)			
Environmental illumination		Incandescent light ≤1000 Lux; LED light ≤1000 Lux; Sunlight ≤10000 Lux			
Vibration resistance		10~55Hz, amplitude 1.5mm, 2 hours each in X/Y/Z axes			
Protection rating		IP65			
Mechanical data	Connection method	M8/4-pin plug			
	Dimensions	57.0x10.0x68.5mm	74.0x10.0x88.5mm	74.0x10.0x118.5mm	74.0x10.0x158.5mm
	Material	Aluminum, glass			
	Weight	0.043kg	0.058kg	0.068kg	0.081kg
	Accessories	-			
	Model	KLM06-0304NP	KLM06-0506NP	KLM06-0806NP	KLM06-1206NP



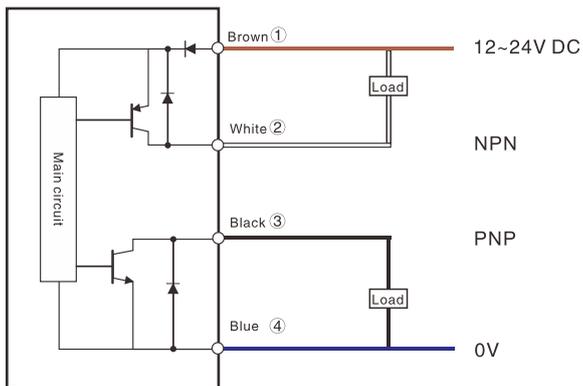
Model number	A	B	C
KLM06-0304NP	30	42	42



Model number	A	B	C
KLM06-0506NP	50	59	40
KLM06-0806NP	80	59	70
KLM06-1206NP	120	59	110

Circuit diagram

NPN/PNP



Fiber Optic

Slot Sensors

Photoelectric

Laser

Proximity

Displacement

Magnetic

Contact

Area

Ultrasonic

AI Image

Code Readers

Vibration

Temperature

RFID

Safety door lock

Pressure Switch

Communication

Accessories

Guidance

Slot type sensors

Mirco slot type

Slot type

Wide slot type

Label detection

Wide Slot Type

KIM Series

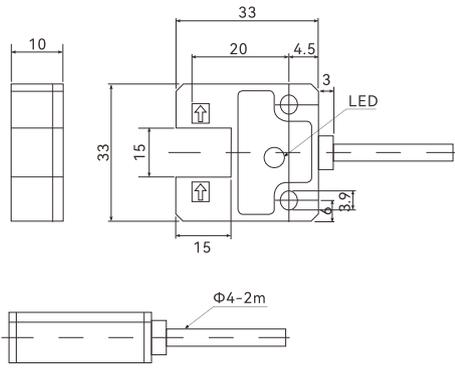


NEW!

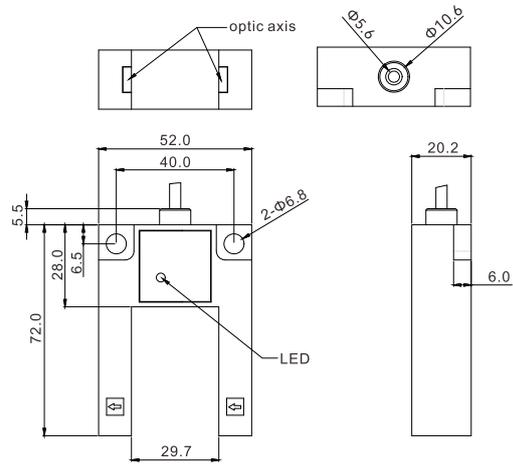


Basic Features	Working principle	Photoelectric sensor	
	Housing style	Shape U	
	Optical working principle	Through-beam	
	Light source	Infrared LED, 940nm(modulated)	
	Slot width	15mm	30mm
	Slot depth	15mm	44mm
	Detecting object	2mm	
	Indicator light	Output function: Yellow LED	
Electrical data	Switching mode	L.on (light-on action)/D.on (dark-on action) switchable	
	Output mode	NPN or PNP collector open	
	Response time	0.5ms	1ms
	Switching frequency	0.5kHz	2kHz
	Repeat accuracy	<1%	<0.03mm
	Hysteresis	≤2%	<0.03mm
	Operating voltage	12~24V DC ± 10%	
	Power consumption	≤15mA	
	Residual voltage	≤1.5V(100mA)	≤2.5V(100mA)
	Load current	≤100mA(24VDC)	
	Insulation resistance	≥20MΩ(500VDC)	≥50MΩ(500VDC)
	Withstand voltage	1000VAC (50/60Hz)	
	Protection circuit	Reverse polarity protection	Reverse polarity protection/short-circuit protection
	Environmental conditions	Operating temperature	-10~55°C(no freezing)
Storage temperature		-20~60°C(no freezing)	-25~80°C(no freezing)
Operating humidity		35~85%RH(no condensation)	35~95%RH(no condensation)
Storage humidity		35~95%RH(no condensation)	
Environmental illumination		Incandescent light ≤2000 Lux; Sunlight ≤1000 Lux	LED light ≤500 Lux
Vibration resistance		10~50Hz, amplitude 1.5mm, 2 hours each in X/Y/Z axes	
Protection rating		IP54	IP60
Mechanical data	Connection method	2m/4-core cable	
	Dimensions	10.0x33.0x33.0mm	52.0x20.2x72.0mm
	Material	ABS	
	Weight	0.025kg	0.065kg/0.019kg
	Accessories	-	
Model	NPN	KIM15-0101N	KIM30-0304N-J
	PNP	KIM15-0101P	KIM30-0304P-J

KIM15-0101N/P

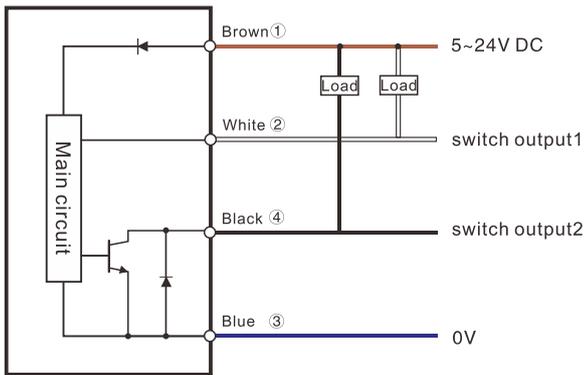


KIM30-0304N/P-J

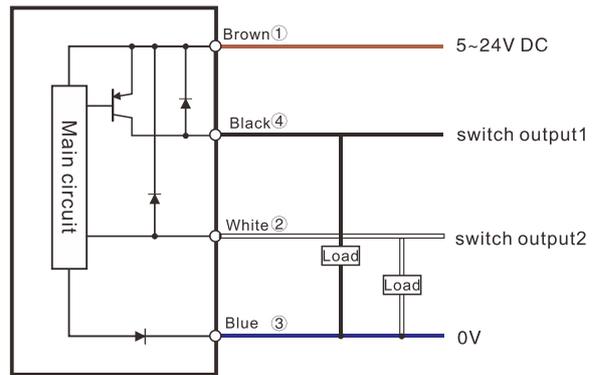


Circuit diagram

NPN



PNP



Fiber Optic

Slot Sensors

Photoelectric

Laser

Proximity

Displacement

Magnetic

Contact

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Slot type sensors

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Slot type

Wide slot type

Label detection