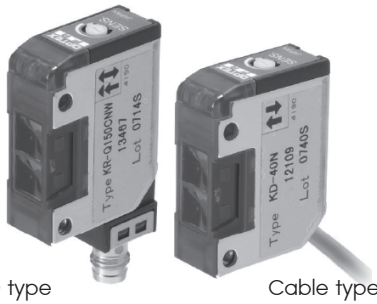




M8 QD type

Cable type

คุณสมบัติ

- KR-Q-SERIES เป็น Transparency Detection ที่ตรวจจับวัตถุได้หลากหลายชนิดและตรวจจับวัตถุโปร่งใสได้ (KR-Q)
- โครงสร้างทำจาก SUS304 ที่รองรับแรงกระแทกได้ 1kg.
- มีระดับการป้องกัน IP67
- สามารถป้องกันสัญญาณรบกวนทางไฟฟ้า (Electrical Noise)

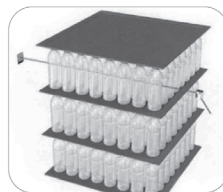
ข้อมูลทางเทคนิค

Model		Glass sensing			
Cable type	NPN	KR-Q50N	KR-Q50NW	KR-Q150NW	KR-Q300NW
	PNP	KR-Q50P	KR-Q50PW	KR-Q150PW	KR-Q300PW
Connector type	NPN	KR-Q50CN	KR-Q50CNW	KR-Q150CNW	KR-Q300CNW
	PNP	KR-Q50CP	KR-Q50CPW	KR-Q150CPW	KR-Q300CPW
Sensing distance		50 cm			1.5 m
Light source		Red			2.5 m
Min detectable object		φ2.5 mm (Opaque object)	φ40 mm (Opaque object)		
Response time		0.7msec Max			
Sensitivity adjustment		Single turn potentiometer			
LED Indicator		Single Indicator			
Control output		NPN or PNP Open collector, 100mA Max / 30V DC			
Operating mode		Light ON / Dark ON selectable			
Insulation resistance		Min. 20 M Ohm / DC500V			
Supply voltage		10 to 30 V DC including 10% of ripple			
Power consumption		30mA Max			
Conformity		JIS, UL, CE, VDE			
Operating temp / humidity		-25 to +55°C / 35 to 85%RH			
Environmental illuminance		Sun Light:20,000 lux max. Incandescent lamp:4,000 lux max.			
Vibration resistance		10 50 55 Hz amplitude 1.5mm, X-Y-Z for 2 hours			
Protection category		IEC 144 IP67, VDE Level 3			
Material		ABS (Case), PC (Lens), SUS304 (Cover)			
Weight (Net)		25g			

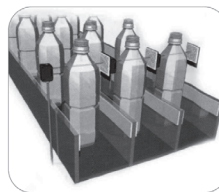
Application



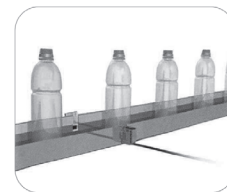
PET bottles moving on a conveyor



Pallet of PET bottles



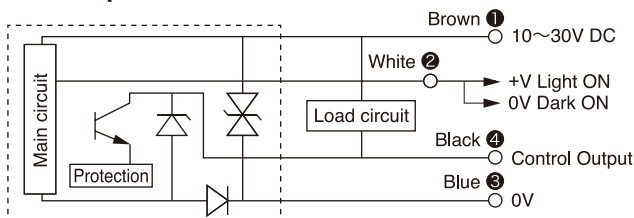
Counting PET bottles



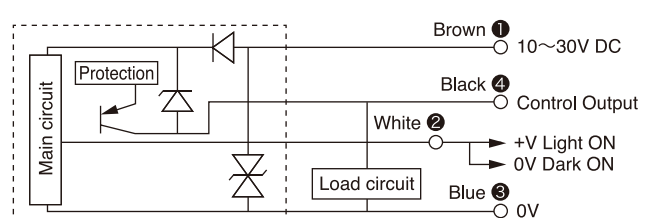
Sensing PET bottles through a narrow opening

การต่อใช้งาน

NPN output

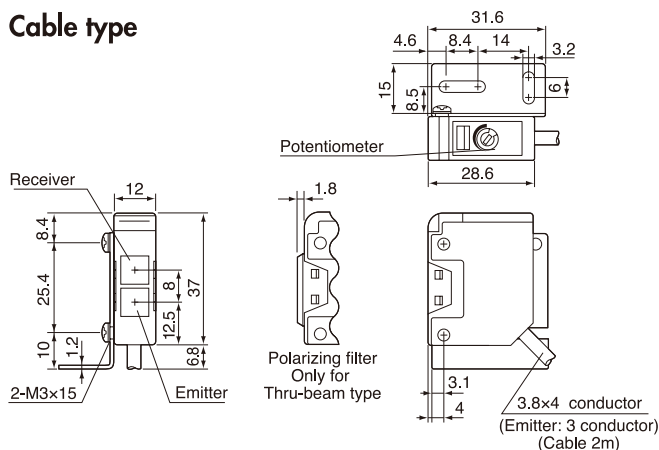


PNP output

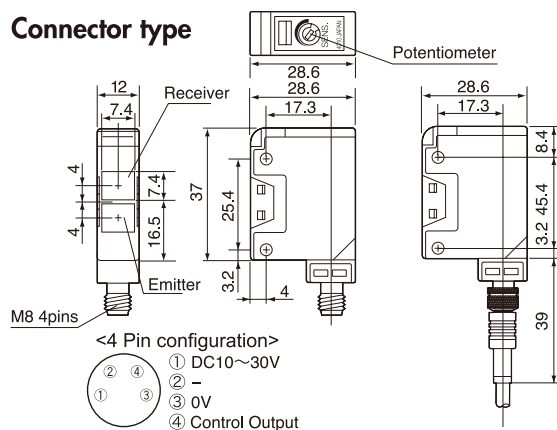


ขนาดและมิติ

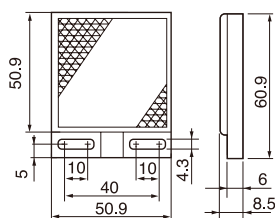
Cable type



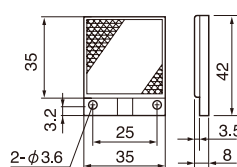
Connector type



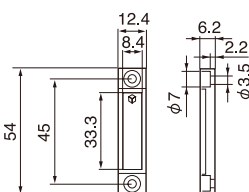
Standard reflector V-61



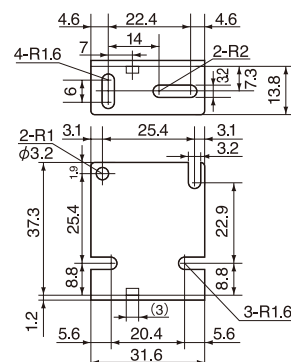
Small reflector V-42



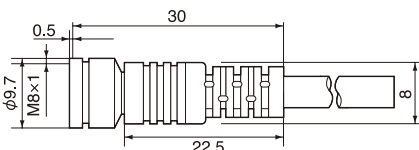
Tiny reflector P45A



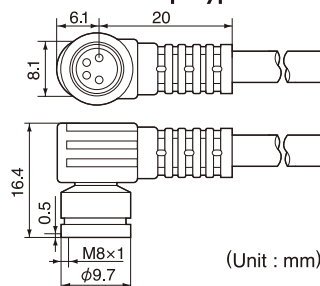
BEF-W170



JCN-S : M8 Straight type



JCN-L : M8 L-shape type



(Unit : mm)

Options

Standard reflector V-61



Small reflector V-42



Tiny reflector P45A



JCN-S : M8 Straight type



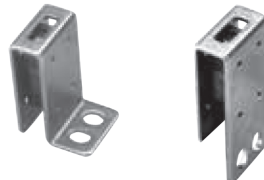
JCN-S : 2 meter
JCN-5S : 5 meter
JCN-10S : 10 meter

JCN-L : L-shape M8 type



JCN-L : 2 meter
JCN-5L : 5 meter
JCN-10L : 10 meter

Protective mounting brackets
LK-S01 LK-S02



**Sensor stand
PLN-1**



Fixture of Reflector
PLN-1M

SK-01 : Slit



PKF-01 : Filter



	Slit SK-01 (Emitter + receiver)	PoL.filter PFK-01	Slit + filter
Sensing distance	1000mm	1000mm	500mm
Min.dia	φ 1mm	φ 7mm	φ 1mm

*Just peel the sticker off the backing and apply to the surface of the sensor.