

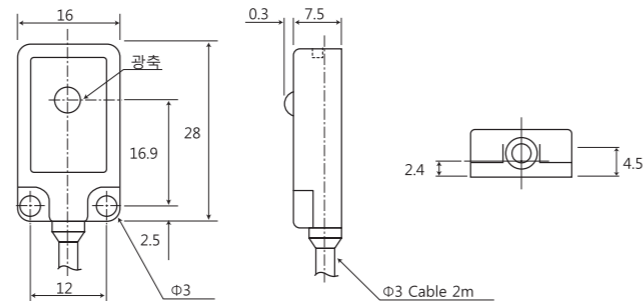
Photoelectric Sensor SLIM TYPE

Slim Type

투과형 Through Beam



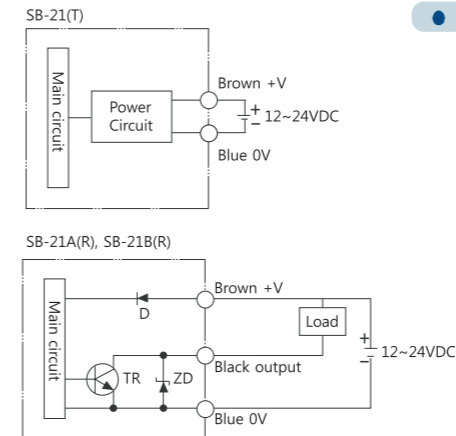
- Slim type (7.5mm)
- Infrared LED
- Surge protection
- Cable 2m (captive)



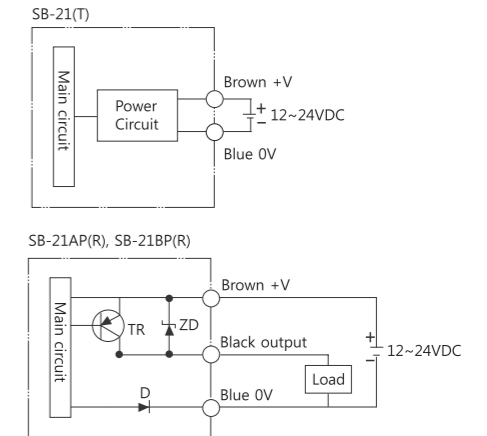
검출거리 (Detecting distance)			1.5m
DC 3 wire 12~24V (Ripple ±10%)	NPN	Dark ON	SB-21A
		Light ON	SB-21B
	PNP	Dark ON	SB-21BP
		Light ON	SB-21AP
최소검출물체 (Detecting target of Min.)			≥ Ø10이상 불투명체 (opaque materials)
소 비 전 류 (Consumption current)			투광기 (transmitter) : ≤ 20mA 이하, 수광기 (receiver) : ≤ 20mA 이하
제 어 출 력 (Control output)			NPN(PNP) Transistor open collector, 부하전류 (load current) : ≤ 100mA 이하
광 원 (Light source)			적외광 LED (infrared LED)
응 답 시 간 (Response time)			≤ 2ms 이하
보 호 등 급 (Protection category)			IP 67 (IEC specification)
단 락 보 호 (Short circuit protection)			yes
전원역접속보호 (Reverse polarity protection)			yes
사용주위조도 (Ambient illumination)			태양광 (sunlight) : 100,000 lx, 백열등 (incandescent) : 3,000 lx
사용주위온도 (Ambient temperature)			동작시(operating) : -25℃~60℃, 보존시(storage) : -25℃~70℃(단, 결빙, 결로하지 않을 것)
내 전 압 (Dielectric strength)			1kVAC, 50/60Hz for 1min
내 진 동 (Vibration)			1.5mm amplitude at frequency of 10~55Hz in each of X,Y,Z directions for 2hours
내 충 격 (Shock resistance)			500% (50G) X, Y, Z direction for 3times
절 연 저 항 (Insulation resistance)			≥ 20MΩ이상 (DC 500V Megger)
표 시 등 (Indicator)			투광기: 전원표시 (적색) Transmitter: Power (red LED) 수광기: 동작표시 (적색) Receiver: Operating (red LED)
케 이 블 (Cable 2m : PVC)			투광기 (transmitter) : Ø3 x 2C x 0.25Q 수광기 (receiver) : Ø3 x 3C x 0.25Q

제어출력 회로도 Control output diagram

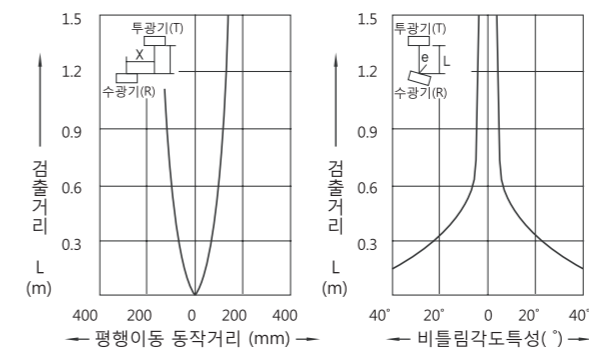
● NPN



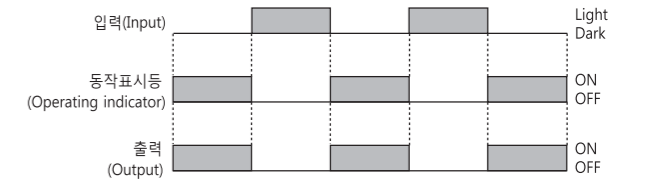
● PNP



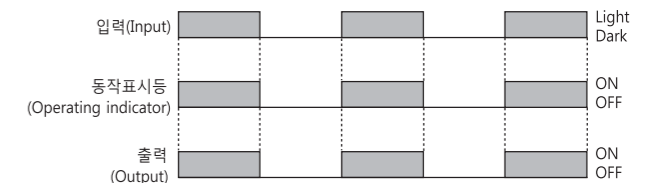
검출영역 특성곡선 Characteristics / 동작차트 Operating chart



● 수광기(Receiver) : Dark ON (SB-21A, SB-21AP)

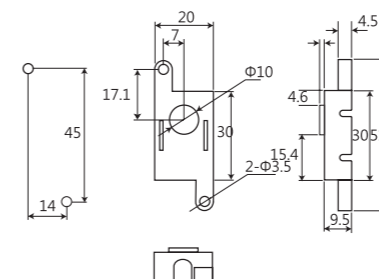


● 수광기(Receiver) : Light ON (SB-21B, SB-21BP)



브라켓 외형도 Bracket dimensions

● A형 (SBB21-01)



● B형 (SBB21-02)

