



Compact Photoelectric Sensor, E3Z-B87

URL: <https://www.sxplc.com/compact-photoelectric-sensor-e3z-b87>

Product data sheet

Light source	Red LED (660 nm)
Power supply voltage	12 to 24 VDC \pm 10% ripple (p-p) 10% max.

Current consumption	30 mA max.
Control output	PNP open collector 26.4 VDC max. 100 mA max. Residual voltage: 1 V max. (Load current Less than 10 mA) Residual voltage: 2 V max. (Load current 10 to 100 mA)
Operation mode	Light-ON/Dark-ON selectable

Protective circuit	Output short-circuit protection, Output reverse polarity protection, Power supply reverse polarity protection
Response time	Operate or reset: 1 ms max.
Sensitivity setting	Single-turn adjustment
Ambient illuminance	Incandescent lamp: 3,000 lx max.

Sunlight: 10,000 lx max.

Ambient temperature range (Operating)

-25 to 55 ? (with no icing)

Ambient temperature range (Storage)

-40 to 70 ? (with no freezing or condensation)

Ambient humidity range (Operating)

35 to 85 % (with no condensation)

Ambient humidity range (Storage)	35 to 95 % (with no condensation)
Insulation resistance	20 M Ω min. (500 VDC megger)
Dielectric strength	1000 VAC 50/60 Hz 1 min

