



Photoelectric Sensor E3JK-RR12-C

2M

URL:<https://www.sxplc.com/photoelectric-sensor-e3jk-rr12-c-2m>

Product data sheet

Sensing method	Retro-reflective with M.S.R. function
Sensing distance	When using the E39-R1: 100 mm to 6 m When using the E39-R2: 100 mm to 10 m
Standard sensing object	Opaque: 75 mm dia. min. (When using the E39-R1) Opaque: 100 mm dia. min. (When using the E39-R2)
Directional angle	1.5 ° min.
Light source	Red LED (624 nm)
Power supply voltage	24 to 240 VAC±10% 50/60 Hz 24 to 240 VDC±10% ripple (p-p) 10% max.
Power consumption	2 W max.
Control output	Relay output (SPDT) 250 VAC 3 A (cosφ= 1) max. 5 VDC 10 mA min.
Life expectancy (relay output)	Electrical: 100 thousand times or more (switching frequency 1800 times/hour) Mechanical: 50 million times or more (switching frequency 18000 times/hour)
Operation mode	Light-ON/Dark-ON selectable
Response time	20 ms max.
Sensitivity setting	Single-turn adjustment
Ambient illuminance	Incandescent lamp: 3,000 lx Sunlight: 11,000 lx
Ambient temperature range (Operating)	-25 to 55 °C (with no freezing or condensation)
Ambient temperature range (Storage)	-40 to 70 °C (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 MΩ min. (500 VDC megger)
Dielectric strength	1500 VAC 50/60 Hz 1 min

