



Photoelectric Sensor E3JK-RR12-C

2M

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

Product data sheet

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| 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 |

