



## **Photoelectric Sensor E3JMR4M4G**

URL:<https://www.sxplc.com/photoelectric-sensor-e3jmr4m4g>

**Product data sheet**

Shape	Square type
Sensing method	Retro-reflective with M.S.R. function
Sensing distance	When using the E39-R1: 4 m
Standard sensing object	Opaque: 75 mm dia. min.
Directional angle	1 to 5 °
Light source	Red LED (660 nm)
Power supply voltage	100 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	Operate or reset: 30 ms max.
Ambient illuminance	Incandescent lamp: 3,000 lx max.
Ambient temperature range (Operating)	-25 to 55 °C (with no freezing or condensation)
Ambient temperature range (Storage)	-30 to 70 °C (with no freezing or condensation)
Ambient humidity range (Operating)	45 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	2000 VAC 50/60 Hz 1 min
Vibration resistance	Destruction: 10 to 55 Hz, 1.5 mm double amplitude each in X, Y, and Z directions for 2 h Malfunction: 10 to 55 Hz, 1.5 mm double amplitude each in X, Y, and Z directions for 2 h
Shock resistance	Destruction: 500 m/s <sup>2</sup> 3 times each in X, Y and Z directions Malfunction: 100 m/s <sup>2</sup> 3 times each in X, Y and Z directions
Degree of protection	IEC: IP66
Connection method	Terminal block models
Indicator	Light indicator (red)

