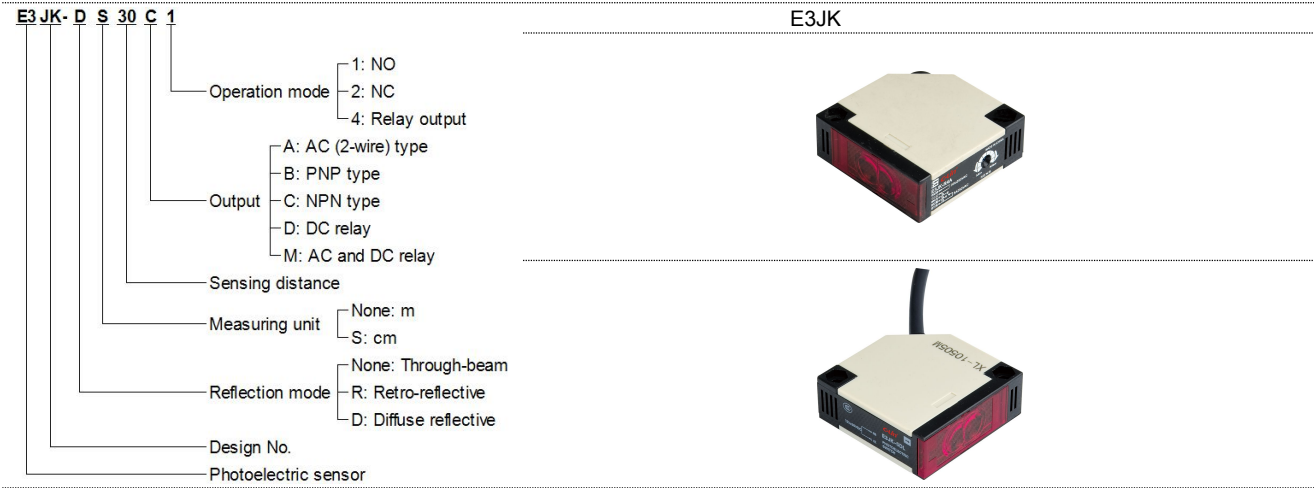




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Description



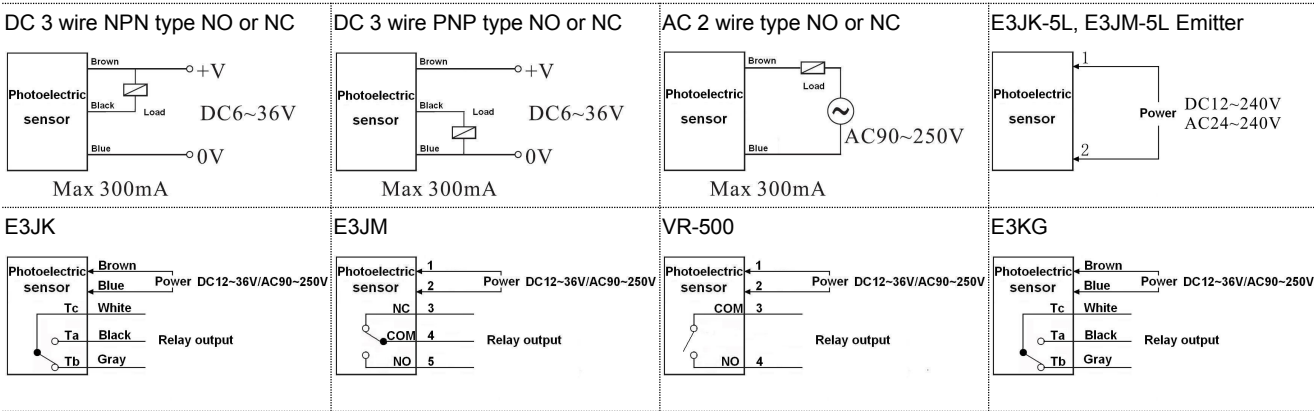
Specification

Power Supply Voltage	DC(NPN, PNP, 2-wire) type: DC6-36V AC type: 90-250V 50/60Hz
Power consumption	3W max.
Response frequency	30ms max.
Control output	SPDT 250VAC, 3A max.(Cos=1)5VDC, 10mA min.
Sensitivity	Adjustable
Ambient illumination	Incandescent lamp: 3,000 lx max. Sunlight: 10,000 lx max.
Ambient temperature	-25 to 65℃ (with no icing)
Ambient humidity	35% to 95% RH
Temperature influence	±15% max. of sensing distance at 23℃ in the temperature range of -25 to 65℃
Voltage influence	±15% max. of sensing distance at rated voltage in the rated voltage ±15% range
Insulation resistance	50mΩ min. (at 500VDC)
Dielectric strength	DC/AC(5-wire) type: 2,000VAC, 50/60Hz for 1 minute between current-carrying parts and case
Vibration resistance	Destruction : 10 to 55Hz, 1.5mm double amplitude for 2 hours each in X, Y, and Z directions
Shock resistance	Destruction : 500m/s(about 50g) 10 times each in X, Y, and Z directions
Degree of protection	IP54~IP67
Materials	Heat-resistant ABS

Model

Model			E3JK-DS	E3JK-R4	E3JK-5	E3JM-DS	E3JM-R4	E3JM-5
Reflection type			Diffuse reflective	Retro-reflective	Through-beam	Diffuse reflective	Retro-reflective	Through-beam
DC type	NPN	NO	E3JK-DS30C1	E3JK-R4C1	E3JK-5C1	/	/	/
		NC	E3JK-DS30C2	E3JK-R4C2	E3JK-5C2	/	/	/
	PNP	NO	E3JK-DS30B1	E3JK-R4B1	E3JK-5B1	/	/	/
		NC	E3JK-DS30B2	E3JK-R4B2	E3JK-5B2	/	/	/
AC type	2 wire	NO	E3JK-DS30A1	E3JK-R4A1	E3JK-5A1	/	/	/
		NC	E3JK-DS30A2	E3JK-R4A2	E3JK-5A2	/	/	/
Relay output	AC and DC relay		E3JK-DS30M1	E3JK-R4M1	E3JK-5M1	/	/	/
	AC light-ON		E3JK-DS30A	E3JK-R4A	E3JK-5A	E3JM-DS70A4	E3JM-R4A4	E3JM-10A4
	DC light-ON		E3JK-DS30D	E3JK-R4D	E3JK-5D	E3JM-DS70D4	E3JM-R4D4	E3JM-10D4
Sensing distance			30cm±15%	4m±15%	5m±15%	70cm±15%	4m±15%	10m±15%
Sensing object			Reflective object	Opaque	Opaque	Reflective object	Opaque	Opaque
Standard sensing object			White paper 10*10cm	Reflectors TD-08	Any object 10*10cm	White paper 10*10cm	Reflectors TD-08	Any object 10*10cm

Wiring Diagram



Dimension(mm)

