

Square

ELB series

Laser



NEW!

Appearance	
Sensing type	Diffuse reflection – background suppression
Setting distance	50–350mm
Sensing distance	20~350mm
Spot size	φ 1.5mm/350m
Minimum detectable object	φ 0.5mm
Switch type	L.on/D.on Switchable
Indicator	Output indicator: orange; laser indicator: green
Response time	≤0.3ms
Sensitivity adjustment	4–turn adjuster
Light source	Laser (650nm)
Laser class	Class1
Hysteresis range	Black and white equidistant within 250mm, the hysteresis range of 250–350mm is 5%
Light interference	Daylight: ≤5000Lux; ≤20000Lux, LED: ≤2000Lux
Operating Voltage	10~24V DC
Output mode	NPN or PNP open collector
Current consumption	≤20mA
Load current	≤100mA
Residual voltage	< 1V
Circuit protection	Reverse connection protection, output overcurrent protection, interference light protection
Protection level	IP 66
Housing shell material	Shell: containing glass fiber ABS, lens: PMMA
Ambient temperature	-10°C~+70°C, No freezing
Ambient humidity	35%~85% RH, No condensation
Vibration resistant	10~55Hz, Amplitude 1.5mm, 2 hours each in X, Y and Z directions
Impact resistant	50G(500m/s ²)
Insulation resistance	Between all power connection terminals and housing, 20MΩ or more (based on DC250V)
Accessories	Brackets, Screws
Model	NPN ELB-350N PNP ELB-350P

Dimensions

unit: mm

