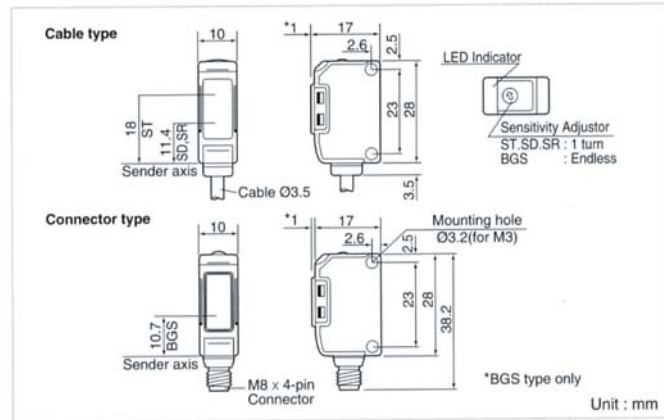


S series

BGS performance built into a small package.
Mechanical toughness assured by 100G shock test.



Dimensions



Specifications

Type			S Series			
			Thru-beam	Diffuse	Retro-reflective	BGS
Model Number	Cable Type	NPN	ST-400N	SD-20N	SR-150N	BGS-S08N
		PNP	ST-400P	SD-20P	SR-150P	BGS-S08P
	M8 QD Type	NPN	ST-400CN	SD-20CN	SR-150CN	BGS-S08CN
		PNP	ST-400CP	SD-20CP	SR-150CP	BGS-S08CP
Sensing Range			4 meter	200 mm	1.5 meter	10 - 80 mm
Minimum Detectable Object			∅6 mm opaque object	-----	45 mm opaque object	-----
Hysteresis			-----	20 %	-----	10 %
Supply Voltage			10 ~ 30 VDC incl. 10% ripple			
Current Consumption			30 mA	20 mA		
Response Time			0.5 msec. Max.			
Control Output			NPN or PNP Open Collector Transistor, 100 mA / 30 VDC Max.			
Operation Mode			Selectable Light-On or Dark-On operation (wiring)			
Light Source			Red LED			
Sensitivity Adjustment			Single turn potentiometer			Five turn potentiometer
Indicators			Output (Red)			
Ambient Temperature			-25° to +55° C			
Ambient Humidity			35 - 85% RH			
Light Immunity			Sunlight: 10,000 lux, Halogen Lamp: 3,000 lux			
Shock Resistance			100 G, X-Y-Z 3 times each			
Vibration Resistance			10 - 55 Hz. amplitude 1.5mm, X-Y-Z for 2 hours			
IP Protection			IP67			
Material			Case: PSF + PBT, Front cover: PC (PMMA for retro-reflective model)			
Accessories			Mounting Bracket, Reflector (retro-reflective model)			

Note: Cables are not included with the QD sensor, please order separately.