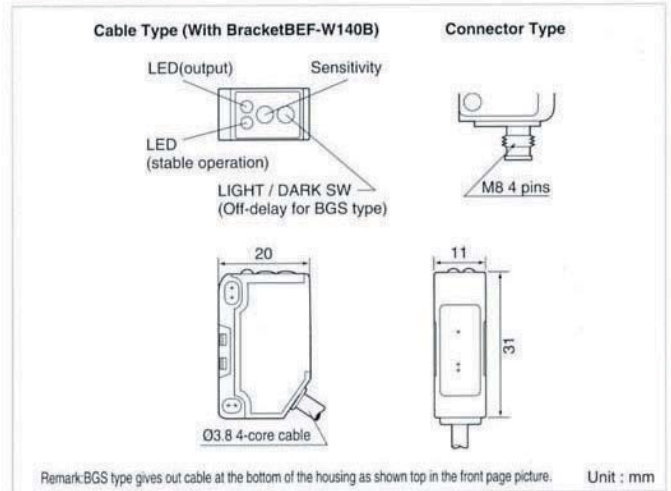


BGS-2S series

Stable sensing of black objects on conveyor. Inner filter prevents inverter noise from affecting operation. Ideal for use on conveyors where it will be pointed up towards overhead lighting.



Dimensions



Specifications

| Type | | BGS-2S Series | | | | | |
|------------------------|--|-----------------|-------------------|-------------------|-------------------|-------------------|------------------|
| | | 250 mm Scanning | 150 mm Scanning | 300 mm Scanning | 100 mm Scanning | 80 mm Scanning | |
| Model Number | Cable Type | NPN | BGS-2S25N | BGS-2S15N | BGS-2S30N | BGS-2S10N | BGS-S08N |
| | | PNP | BGS-2S25P | BGS-2S15P | BGS-2S30P | BGS-2S10P | BGS-S08P |
| | M8 QD Type | NPN | BGS-2S25CN | BGS-2S15CN | BGS-2S30CN | BGS-2S10CN | BGS-S08CN |
| | | PNP | BGS-2S25CP | BGS-2S15CP | BGS-2S30CP | BGS-2S10CP | BGS-S08CP |
| Sensing Range | White | 1 mm ~ 250 mm | 25 mm ~ 150 mm | 5 mm ~ 300 mm | 40 ~ 100 mm | 10 ~ 80 mm | |
| | Grey | 2 mm ~ 250 mm | 25 mm ~ 150 mm | 10 mm ~ 300 mm | 40 ~ 100 mm | 10 ~ 60 mm | |
| | Black | 5 mm ~ 250 mm | 25 mm ~ 80 mm | 15 mm ~ 200 mm | 20 ~ 70 mm | 10 ~ 50 mm | |
| Repeatability | Parallel | 2.0 mm | 1.5 mm | 2.5 mm | 1.5 mm | 1.5 mm | |
| | Vertical | 0.5 mm | 0.3 mm | 0.6 mm | 0.3 mm | 0.3 mm | |
| 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 | | | | | | |
| Indicators | Output (Orange), Stability (Green) | | | | | Stability (Red) | |
| Light Source | Red LED | | | | | | |
| Sensitivity Adjustment | Six turn potentiometer | | | | | Five turn pot. | |
| Regulation | JIS / C4525, CE, UL | | | | | | |
| Shock Resistance | 50 G, X-Y-Z 3 ways | | | | | | |
| IP Protection | IEC, IP67 | | | | | | |
| Materials | Case: PBT with glass, Lens: PC | | | | | | |
| Timer | N/A | | Optional | | N/A | | |
| Accessories | Mounting bracket | | | | | | |

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