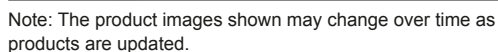


## Miniature Photoelectric Background Suppression



- 1 Emitter optical axis
- 2 Receiver optical axis
- 3 Mounting hole  $\varnothing$  3 mm
- 4 LED: power on
- 5 LED: on / off
- 6 Connection: 0.3 m cable + M8 connector

**H12-BGS-0120N-DO-M8-3P0.3**

**Photoelectric sensors are used in virtually any manufacturing process with moving parts to detect products, machine parts, and a wide variety of moving objects.**

**For additional information, contact HTM Sensors  
at 800-644-1756 or [service@htmsensors.com](mailto:service@htmsensors.com)**

10 ... 30 V DC + — 1 —  br/BN  
GND — 3 —  bl/BU  
O NPN — 4 —  sw/BK



|                               |                                    |
|-------------------------------|------------------------------------|
| Sensing Range                 | 10-120 mm                          |
| Light Source                  | Red LED (630 nm)                   |
| Light Spot Size               | 5 mm @ 120 mm                      |
| Indicator LEDs                | Output: Red    Steady State: Green |
| IO-Link                       | No                                 |
| Supply Voltage                | 10-30 V DC                         |
| Max. Load Current             | <= 100 mA                          |
| No Load Current               | <= 18 mA                           |
| Short Circuit Protection      | Yes                                |
| Reverse Polarity Protection   | Yes                                |
| Output Type                   | NPN                                |
| Operation Mode                | Dark-On                            |
| Switching Frequency           | 200 Hz                             |
| Sensitivity Adjustment        | Yes                                |
| Housing Material              | PC+PBT                             |
| Lens Material                 | PC                                 |
| IP Rating                     | IP67                               |
| Timer Options                 | -                                  |
| Ambient Operating Temperature | -10 C to +50 C                     |
| Vibration Resistance          | EN 60068-2-6                       |
| Shock Resistance              | EN 60068-2-27                      |
| Cable or Connector            | M8 3 Pin 0.3 m Pigtail             |