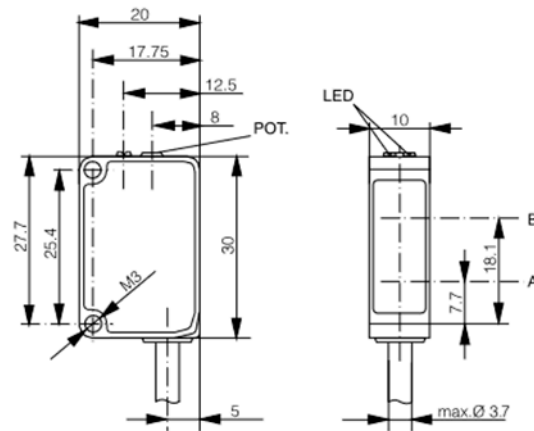




Note: The product images shown may change over time as products are updated.

### Diagram



A: emitter axis B: receiver axis

### Part Number

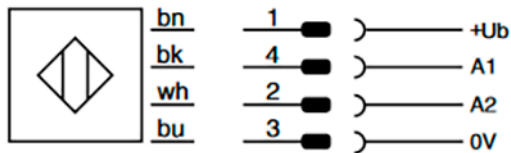
**H30-BGS-0300N-2M**

### Features

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)

### Connection



### Technical Data

Sensing Range	300 mm (*see Note 3)
Light Source	PinPoint Red LED 640 nm
Light Spot Size	ø 6 mm @ 100 m / ø 10 mm @ 300m
Indicator LEDs	Output:Yellow Excess Gain: Green
IO-Link (*see Note 4)	-
Supply Voltage	10-30 V DC
Max. Load Current	<= 100 mA
No Load Current	<=30 mA
Short Circuit Protection	Yes
Reverse Polarity Protection	Yes
Output Type	NPN Complementary
Operation Mode	Light On or Dark on Selectable wiring
Response Time	<= 500us(normal)/<=1ms /<= 340us
Sensitivity Adjustment	3/4-turn pot
Housing Material	ABS
Lens Material	PMMA
IP Rating	IP67
Time Options	Selectable via IO-Link
Ambient Operating Temp	-25 C to + 65 C
Vibration Resistance	IEC 60947-5-7
Shock Resistance	IEC 60947-5-7
Cable or Connector	4 Wire 2 m Cable

Note 1: By default, "Normal" mode. "Fine" and "Fast" modes selectable via IO-Link

Note 2: when used with RE-D82

Note 3: Object with 90% reflectance(standard white paper)

Note 4:

IO-Link Verion - V1.0

SIO mode - Supported

Process Data - Detection state & stability alarm

Baudrate - COM2(38.4 kBaud)

Special Functions - Ouput Configuration, Output Timing, Sensor Mode, Detection Counter, Event Flags, Maximum and Actual Sensor Temperature



ECOLAB



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